

# LBT-D570/N355/N355K/N355KR

## SERVICE MANUAL

*US Model*  
*Canadian Model*  
LBT-D570

*AEP Model*  
*UK Model*  
*Australian Model*  
*PX Model*  
LBT-N355

*E Model*  
LBT-D570/N355/N355K/N355KR

- LBT-D570/N355/N355K/N355KR are composed of following models.  
As for the service manual, it is issued for each component model,  
then, please refer to it.

### COMPONENT MODEL NAME FOR THESE SYSTEM

	LBT-D570			LBT-N355										LBT-N355K					LBT-N355KR
	US	CND	MX	AEP	UK	G	IT	EE	E	MX	AR	AUS	PX	E	EA	MY	SP	IA	TH
COMPACT DISC STEREO DECK RECEIVER	HCD-D570			HCD-N355										HCD-N355K					
SPEAKER SYSTEM	SS-D2700								SS-LB355					SS-LB355V				SS-N355	
SURROUND SPEAKER	SS-SR120																		

#### • Abbreviation

CND : Canadian	SP : Singapore
G : German	MY : Malaysia
IT : Italian	AUS: Australian
EE : East European	AR : Argentine
EA : Saudi Arabia	TH : Thailand
MX : Mexican	IA : Indonesian

COMPACT Hi-Fi STEREO SYSTEM  
**SONY®**

## PARTS LIST

### NOTE :

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

### • Abbreviation

CND	: Canadian	SP	: Singapore
G	: German	MY	: Malaysia
IT	: Italian	AUS	: Australian
EE	: East European	AR	: Argentine
EA	: Saudi Arabia	TH	: Thailand
MX	: Mexican	IA	: Indonesian

<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
ACCESSORIES & PACKING MATERIALS		
*****		
1-501-374-11	ANTENNA, LOOP	
1-501-659-41	ANTENNA (FM) (EXCEPT AEP, UK, IT, EE, G)	
1-501-804-11	ANTENNA (FM) (AEP, UK, IT, EE)	
1-751-347-11	CORD, CONNECTION (10m) (SR)	
3-810-802-11	MANUAL, INSTRUCTION (ENGLISH) (UK)	
3-810-802-21	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (AEP)	
3-810-802-31	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP, IT)	
3-810-802-41	MANUAL, INSTRUCTION (DANISH, FINNISH) (AEP)	
3-810-802-51	MANUAL, INSTRUCTION (GERMAN) (G)	
3-810-802-61	MANUAL, INSTRUCTION (ENGLISH, POLISH, RUSSIAN) (EE)	
3-810-803-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (E,EA,MY,SP,IA,AR,AUS,PX)	
3-810-803-21	MANUAL, INSTRUCTION (SPANISH) (N355 : MX)	
3-810-803-31	MANUAL, INSTRUCTION (ARABIC) (EA)	
3-810-803-61	MANUAL, INSTRUCTION (ENGLISH) (US, CND)	
3-810-803-71	MANUAL, INSTRUCTION (FRENCH) (CND)	
3-810-803-81	MANUAL, INSTRUCTION (SPANISH) (D570 : MX)	
3-856-624-11	MANUAL, INSTRUCTION (ENGLISH, THAI) (TH)	
* 4-979-300-01	INDIVIDUAL CARTON (HCD) (N355 : AEP, UK, G, IT, EE)	
* 4-979-302-01	INDIVIDUAL CARTON (HCD+SS) (N355 : E, MX, AR)	
* 4-979-303-01	INDIVIDUAL CARTON (HCD+SS) (AUS, PX)	
* 4-979-304-01	INDIVIDUAL CARTON (HCD+SS) (N355K : E, EA, SP, IA)	
* 4-979-305-01	INDIVIDUAL CARTON (HCD+SS+SR) (US)	
* 4-979-308-01	INDIVIDUAL CARTON (HCD+SS+SR) (CND)	
* 4-979-316-01	INDIVIDUAL CARTON (HCD+SS+SR) (D570 : MX)	
4-979-371-01	COVER, BATTERY (for RM-SD50)	
* 4-979-431-01	CUSHION (BOTTOM) (HCD)	
* 4-979-452-01	CUSHION (SS) (EXCEPT TH)	
* 4-980-140-01	CUSHION (UPPER) (HCD)	
* 4-981-896-01	INDIVIDUAL CARTON (HCD+SS) (N355K : MY)	
* 4-981-897-01	INDIVIDUAL CARTON (HCD) (N355K : TH)	
* 4-982-587-01	CUSHION (SR) (UPPER)	
* 4-982-588-01	CUSHION (SR) (LOWER)	
* 4-983-674-01	CUSHION (SS) (TH)	
* 4-983-675-01	INDIVIDUAL CARTON (SS) (TH)	
8-917-537-90	REMOTE COMMANDER (RM-SD50)	

**Sony Corporation**  
**Consumer A&V Products Company**  
**Home A&V Products Div.**

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# HCD-D570/N355/N355K

## SERVICE MANUAL

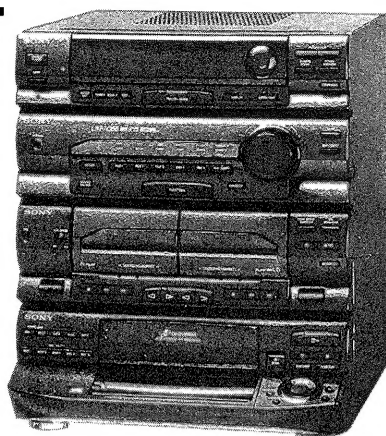


Photo : N355 (E) model

*US Model*  
*Canadian Model*

HCD-D570

*AEP Model*

*UK Model*

*Australian Model*


*PX Model*

HCD-N355

*E Model*

HCD-N355/N355K

These set are the tuner, deck, CD and amplifier section in LBT-D570, LBT-N355 and LBT-N355K.

- \* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

CD SECTION	Model Name Using Similar Mechanism	HCD-D270/G3100/N255
	CD Mechanism Type	CDM37-5BD19
	Base Unit Type	BU-5BD19
	Optical Pick-up Type	KSS-213BA/S-N
TAPE DECK SECTION	Model Name Using Similar Mechanism	HCD-N350
	Tape Transport Mechanism Type	TCM-220WR2E

### AUDIO POWER SPECIFICATIONS

#### POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 70 – 20,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 0.9% total harmonic distortion from 250 milliwatts to rated output.

#### CD player section

System Compact disc and digital audio system  
Laser Semiconductor laser ( $\lambda = 780 \text{ nm}$ )  
Emission duration: continuous

### SPECIFICATIONS

laser output Max 44.6  $\mu\text{W}$ \*

\* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.

Wavelength 780 – 790 nm

#### Tuner section

FM stereo, FM/AM superheterodyne tuner

#### FM tuner section

87.5 – 108.0 MHz  
(50 kHz step)  
Aerial FM wire aerial  
Aerial terminals 75 ohm unbalanced  
Intermediate frequency 10.7 MHz

#### AM tuner section

Tuning range  
German and Italian models:  
AM: 531-1, 602 kHz

AEP, UK, East European models:

MW: 531-1, 602 kHz  
LW: 153-279 kHz  
(with the tuning interval set at 3 kHz)

Saudi Arabia model:

MW: 531 – 1,602 kHz  
(with the MW tuning interval set at 9 kHz)  
SW: 5.95 – 17.90 MHz

Other models:

AM: 531 – 1,602 kHz  
(except D570 model)  
531 – 1,710 kHz  
(D570 model)  
(with the AM tuning interval set at 9 kHz)  
530 – 1,710 kHz  
(with the AM tuning interval set at 10 kHz)

— Continued on next page —

COMPACT DISC DECK RECEIVER  
**SONY®**

Aerial AM loop aerial  
External aerial terminals  
Intermediate frequency 450 kHz

### Tape player section

Recording system 4-track 2-channel stereo  
Frequency response (DOLBY NR OFF)  
40 – 13,000 Hz ( $\pm 3$  dB), using SONY TYPE I cassette  
40 – 14,000 Hz ( $\pm 3$  dB), using SONY TYPE II cassette  
Wow and flutter  
 $\pm 0.15\%$  W.Peak (IEC)  
0.1% W.RMS (NAB)  
 $\pm 0.2\%$  W.Peak (DIN)

### Amplifier section

Peak music power output:  
AEP, UK, German, Italian, East European models:  
(55 W + 55 W) (6  $\Omega$  at 1 kHz, 0.7% THD)  
Other (except D570) models:  
1,000 W (6  $\Omega$  at 1 kHz, 10% THD)  
Continuous RMS power output:  
AEP, UK, German, Italian, East European models:  
(65 W + 65 W) (6  $\Omega$  at 1 kHz, 10% THD)  
US model: 100 W + 100 W (8  $\Omega$  at 70 – 20,000 Hz, 0.9% THD)  
Canadian model:  
100 W + 100 W (8  $\Omega$  at 1 kHz, 5% THD)  
Other models:  
(60 W + 60 W) (6  $\Omega$  at 1 kHz 10% THD)  
Music power output:  
AEP, UK, German, Italian, East European models:  
(110 W + 110 W) (6  $\Omega$  at 1 kHz, 10% THD)  
Inputs  
PHONO (phono jack):  
Sensitivity 3 mV, impedance 47 kilohms  
VIDEO (AUDIO) (phono jack):  
Sensitivity 250 mV, impedance 47 kilohms  
MIC (phone jack): (N355: E, Australian, Mexican, PX, Argentine/N355K models)  
Sensitivity 1 mV, impedance 10 kilohms

### Outputs

PHONES (phone jack):  
accept headphones of 8 ohms or more  
SPEAKER: accept impedance of 8  $\Omega$  (D570 model), 6 to 16 ohms (Other models)  
SURROUND SPEAKER:  
(Malaysian, Mexican and Singapore models)  
accept impedance of 16 ohms  
(Other models)  
accept impedance of 8 to 16 ohms

### General

Power requirements  
AEP, UK, German, Italian, East European models:  
220-230 V AC, 50/60 Hz  
Australian model:  
240 V AC, 50/60 Hz  
US, Canadian, Mexican models:  
120 V AC, 60 Hz  
Malaysian model:  
220 - 240 V AC, 50/60 Hz

### Thailand model:

220 V AC, 50/60 Hz

### Other models:

110 - 120 V or 220 - 240 V AC adjustable, 50/60 Hz

### Power consumption

160 W (AEP, UK, German, Italian, East European models)  
250 W (US model)  
310 VA (Canadian model)  
185 W (Other models)

### Dimensions

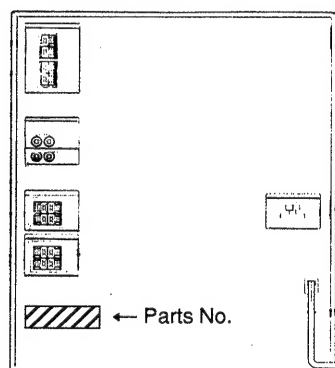
Approx. 355  $\times$  425  $\times$  400 mm  
(14  $\times$  16  $\frac{3}{4}$   $\times$  15  $\frac{3}{4}$  inches) (w/h/d)  
incl. projecting parts and controls

### Mass

Approx. 11 kg (24 lb 4 oz.) (AEP, UK, German, Italian, East European models)  
Approx. 11.7 kg (25 lb 13 oz.) (Other models)  
Approx. 11.9 kg (26 lb 4 oz.) (D570 model)

Design and specifications subject to change without notice.

## MODEL IDENTIFICATION — BACK PANEL —



MODEL	PARTS No.
N355 : AEP model	4-978-189-0□
N355 : German model	4-978-189-1□
N355 : Italian model	4-978-189-2□
N355 : UK model	4-978-189-3□
N355 : East European model	4-978-189-5□
D570 : US model	4-978-189-6□
D570 : Canadian model	4-978-189-7□
N355 : E model	4-978-190-0□
N355 : Argentine model	4-978-190-1□
N355 : Australian model	4-978-190-2□
N355 : PX model	4-978-190-3□
N355 : Mexican model	4-978-190-4□
N355K : E, Indonesian model	4-978-190-5□
N355K : Saudi Arabia model	4-978-190-6□
N355K : Singapore (SP2) model	4-978-190-7□
N355K : Singapore (SP4) model	4-978-190-8□
N355K : Malaysia, Thailand model	4-978-190-9□



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- Abbreviation
- CND : Canadian model.
- G : German model.
- IT : Italian model.
- EE : East European model.
- EA : Saudi Arabia model.
- MX : Mexican model.
- SP : Singapore model.
- MY : Malaysia model.
- AUS : Australian model.
- AR : Argentine model.
- TH : Thailand model.
- IA : Indonesian model.

### CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

### Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

**CLASS 1 LASER PRODUCT**  
**LUOKAN 1 LASERLAITE**  
**KLASS 1 LASERAPPARAT**

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN,  
AVOID EXPOSURE TO BEAM.  
ADVARSEL: USYNLIG LASERSTRÅLING VED ÅBNING NÅR  
SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION.  
UNNGÅ UDSÆTTELSE FOR STRÅLING.  
VARO! : AVATTAESSA JA SUOJALUKITUS OHITETTAESSA  
OLET ALTTIINA LASERSÄTEILYLLE.  
VARNING : LASERSTRÅLING NÅR DENNA DEL ÄR ÖPPNAD  
OCH SPÄRREN ÄR URKOPPLAD.  
ADVERSEL: USYNLIG LASERSTRÅLING NÅR DEKSEL ÖPNES  
UNNGÅ EKSPONERING FÖR STRÅLEN.

This caution label is located inside the unit.

## SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

### LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

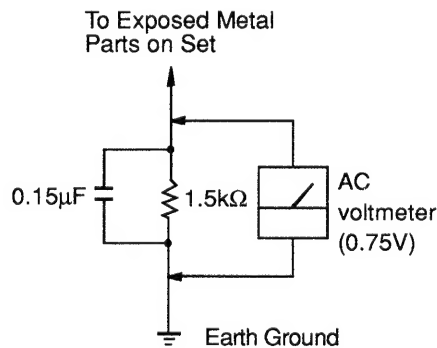


Fig. A. Using an AC voltmeter to check AC leakage.

### SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK  $\Delta$  OR DOTTED LINE WITH MARK  $\Delta$  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

### ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE  $\Delta$  SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

## SERVICING NOTE

### NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

### NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

### [FL Display Tube, LED All Lit and Key Check mode]

When the **TUNER/BAND**, **DISPLAY/DEMO**, and **FILE 2** buttons are pressed simultaneously, the FL display tube and LEDs will all light up. Press any button to enter the key check mode.

When the key check mode is entered, the FL display tube displays "K 1 J0 V0". Each time a button is pressed, the counter increases in the following order, K 2 → K 3 → K 4.

If buttons already pressed once are pressed again, the counter will not increase. When the VOLUME knob is rotated in the + direction, the count increases in the following order.

V1 → V2 → V3.

When rotated in the – direction, it decreases in the following order.

V0 → V9 → V8.

When the AMS dial is rotated in the clockwise direction, the count increases in the following order.

J1 → J2 → J3.

When rotated in the counterclockwise direction, it decreases in the following order.

J0 → J9 → J8.

To exit from the test mode, press the **TUNER/BAND**, **DISPLAY/DEMO**, **FILE 2** buttons simultaneously again.

### [Switching the channel step 9 KHz/10 KHz]

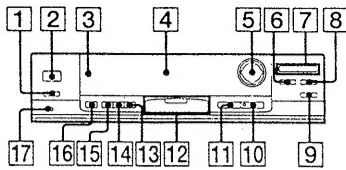
Press **ENTER/NEXT** button and **POWER** button simultaneously to switch the AM channel step 9 KHz and 10 KHz. Be sure not to change with carelessness.

## SECTION 1 GENERAL

This section is extracted  
from instruction manual.

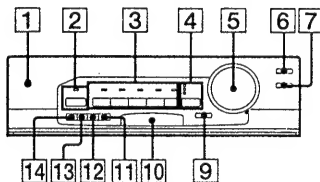
### Front Panel

#### Tuner section



- 1 SLEEP button (23)
- 2 SYSTEM POWER switch (7)
- 3 Remote sensor
- 4 Display window (30)
- 5 CURSOR CONTROL buttons (6, 21)
- 6 TUNING MODE button (12)
- 7 TUNING +/- buttons (12)
- 8 TUNER MEMORY button (13)
- 9 STEREO/MONO button (12)
- 10 ENTER/NEXT button (6, 9, 21)
- 11 DISPLAY/DEMO button (6, 8, 21)
- 12 TUNER/BAND button (12, 18, 24)
- 13 REC button (24)
- 14 DAILY 2 button (23)
- 15 DAILY 1 button (23)
- 16 TIMER SET button (23)
- 17 CLOCK SET button (6)

#### Amplifier section

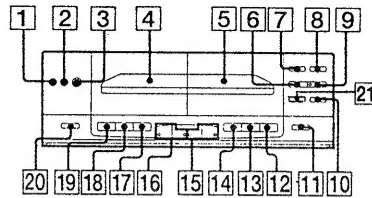


- 1 PHONES jack (20)
- 2 EFFECT button/indicator (20)
- 3 FILE 1 - 5 buttons/indicators (20, 21)
- 4 FILE SELECT button/indicators (20, 21)
- 5 VOLUME control (7, 20)
- 6 DBFB button (20)
- 7 SURROUND button (15, 21)
- 9 MEMORY button (22)
- 10 FUNCTION button (7, 14)
- 11 # UP button\* (26)
- 12 b DOWN button\* (26)
- 13 ECHO button\* (25)
- 14 KARAOKE PON/MPX button (25)

(N355: E, MX, AR, AUS, PX/N355K)

\* HCD-N355K only

#### Tape player section

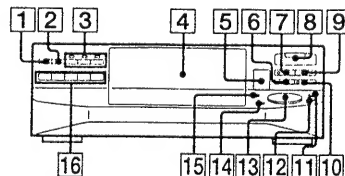


- 1 MIC (MIC 1\*) jack (25)
- 2 MIC 2 jack (25) (N355K only)
- 3 MIC LEVEL control\* (25)
- 4 Cassette compartment for DECK A (14)
- 5 Cassette compartment for DECK B (14)
- 6 [ ] (pause) button (14)
- 7 HIGH SPEED DUBBING button (19)
- 8 CD SYNCHRO button (15)
- 9 REC (recording) button (15)
- 10 DIRECTION button (15)
- 11 EJECT button for DECK B (14)
- 12 >> (fast rightward) button for DECK B (14)
- 13 << (fast leftward) button for DECK B (14)
- 14 [ ] STOP button for DECK B (14)
- 15 </> (play) button for DECK B (14)
- 16 </> (play) button for DECK A (14)
- 17 >> (fast rightward) button for DECK A (14)
- 18 << (fast leftward) button for DECK A (14)
- 19 [ ] STOP button for DECK A (14)
- 20 EJECT button for DECK A (14)
- 21 DOLBY NR button

(D570/N355: AEP, UK, G, IT, EE models)

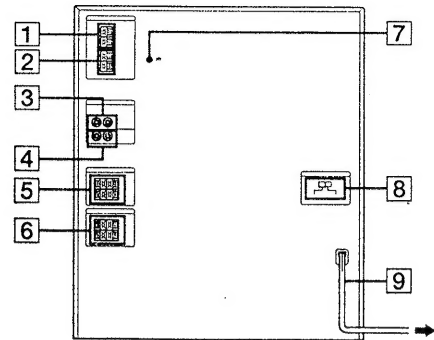
\* N355: E, AUS, PX, MX, AR/N355K only

#### CD player section

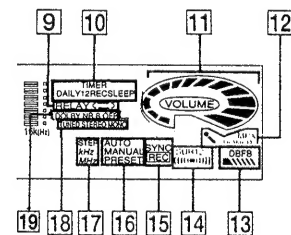
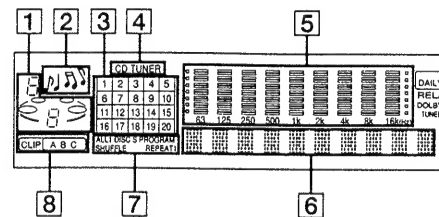


- 1 MUSIC CLIP PLAY button (11)
- 2 MUSIC CLIP ERASE button (11)
- 3 CLIP A, B, C buttons/indicators (10)
- 4 Front cover (7)
- 5 [ ] OPEN button (7)
- 6 DISC SKIP button (7)
- 7 [ ] (pause) button (7)
- 8 > (play) button (7)
- 9 [ ] (stop) button (7)
- 10 AUTO button/indicator (7)
- 11 PROGRAM button (9)
- 12 REPEAT button (9)
- 13 JOG dial (7)
- 14 SHUFFLE buttons (8)
- 15 CONTINUE button (7)
- 16 DISC 1 - 5 buttons (7)

### Rear Panel

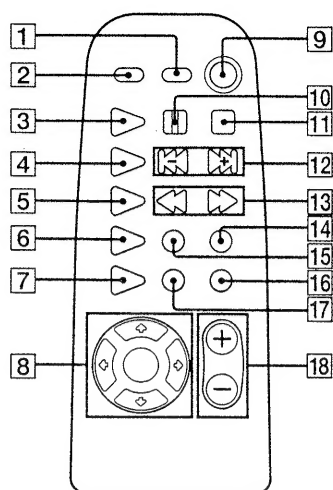


- 1 AM terminal (4)
- 2 FM 75Ω terminal (4)
- 3 PHONO IN jacks (26)
- 4 VIDEO (AUDIO) IN jacks (26)
- 5 SPEAKER connectors (5)
- 6 SURROUND SPEAKER connectors (5)
- 7 ground terminal (5)
- 8 VOLTAGE SELECTOR (N355: E, PX, AR/N355K: E, EA, IA models) (6)
- 9 AC power cord (6)



- 1 Disc calendar (7)
- 2 Demo mode indications (6)
- 3 Music calendar (7)
- 4 CD/TUNER indication (7)
- 5 Graphic Equalizer indication (21)
- 6 Multi-display (7, 12, 21)
- 7 CD play mode indications (8)
- 8 CLIP indicator (11)
- 9 Tape direction mode indication (14)
- 10 Timer indication (24)
- 11 VOLUME indication (7)
- 12 KARAOKE PON/MPX R L indication (25)
- 13 DBFB indication (20)
- 14 SUR indication (15, 21)
- 15 SYNC REC indicator (15)
- 16 Tuning mode indications (12)
- 17 STEP/frequency waves indication (12)
- 18 TUNED/STEREO/MONO indications (12)
- 19 DOLBY NR B indication (D570/N355: AEP, UK, G, IT, EE models)

## Remote



- 1 SLEEP button (23)
- 2 LOOP button (10)
- 3 CD ▷ (play) button (7)
- 4 TUNER/BAND ▷ button (12)
- 5 DECK A ▷ button (14)
- 6 DECK B ▷ button (14)
- 7 FUNCTION button (7, 14)
- 8 MUSIC MENU buttons (20)
- 9 POWER button (7)
- 10 00 (pause) (7)
- 11 □ (stop) (7)
- 12 ⏮ / ⏭ buttons (7)
- 13 ⏪ / ⏩ buttons (8)
- 14 EDIT button (16)
- 15 CHECK button (9)
- 16 DISC SKIP button (9)
- 17 CLEAR button (9)
- 18 VOL (volume) +/- buttons (7, 20)

- Abbreviation

CND : Canadian model.  
 G : German model.  
 IT : Italian model.  
 EE : East European model.  
 EA : Saudi Arabia model.  
 MX : Mexican model.  
 SP : Singapore model.  
 MY : Malaysia model.  
 AUS : Australian model.  
 AR : Argentine model.  
 TH : Thailand model.  
 IA : Indonesian model.

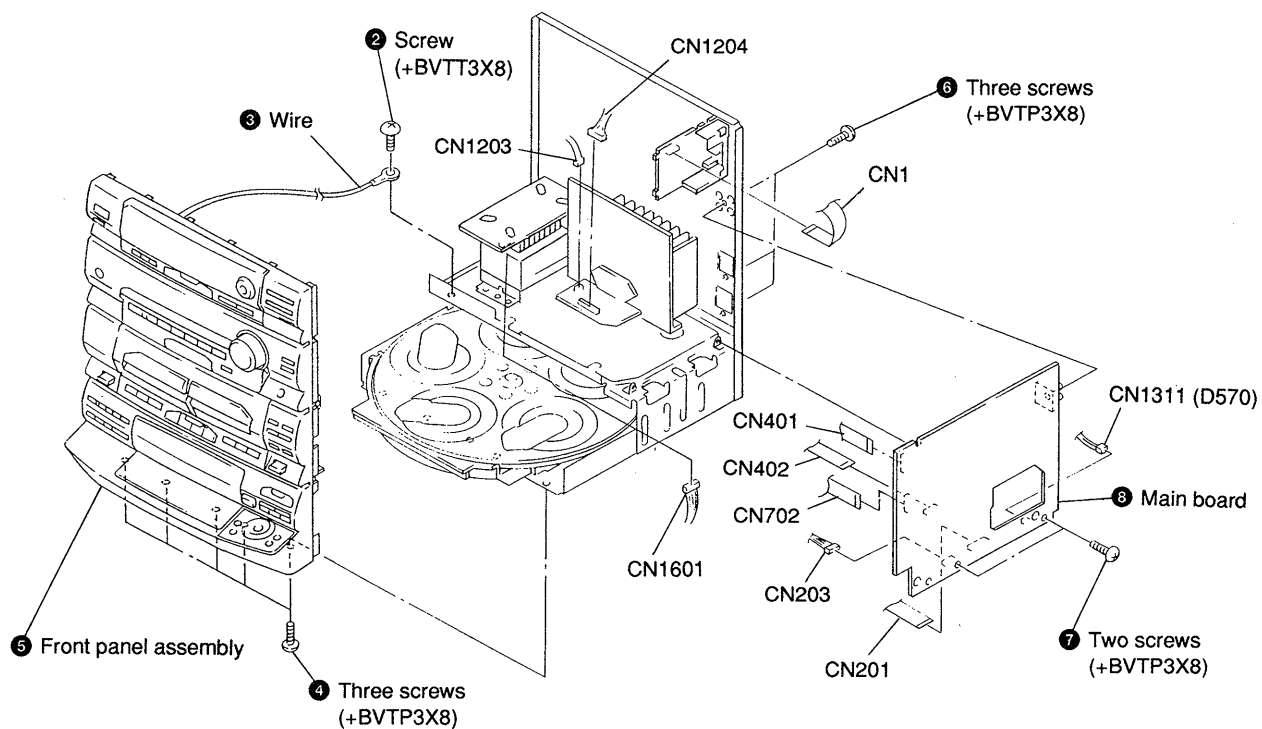
## SECTION 2

### DISASSEMBLY

**Note :** Follow the disassembly procedure in the numerical order given.

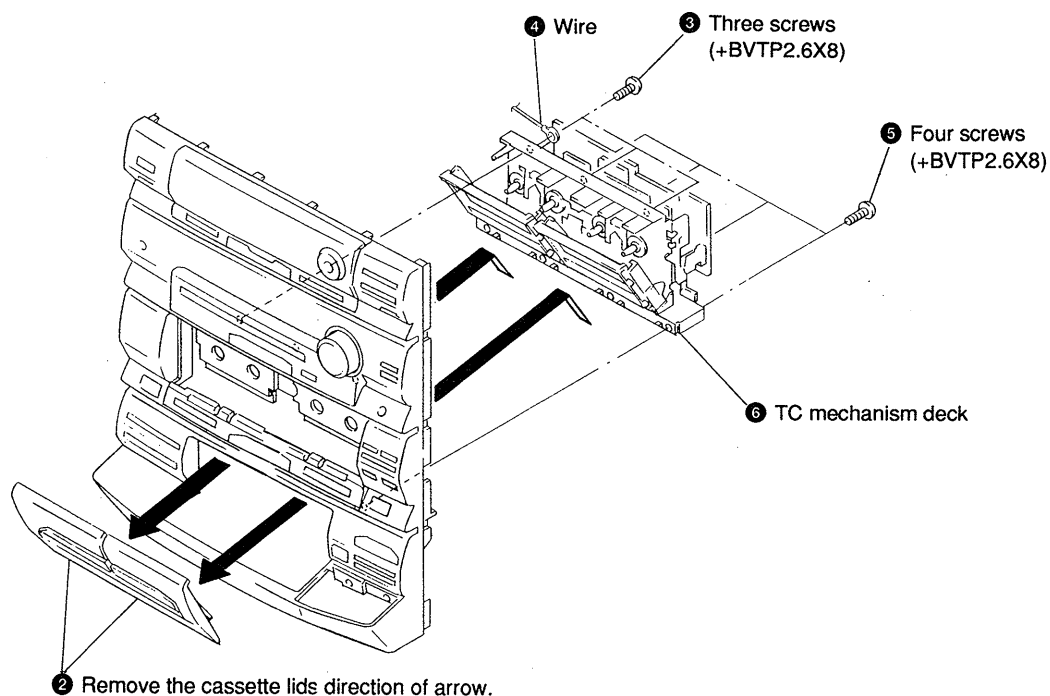
#### 2-1. FRONT PANEL ASSY AND MAIN BOARD

- ① Remove the connectors.

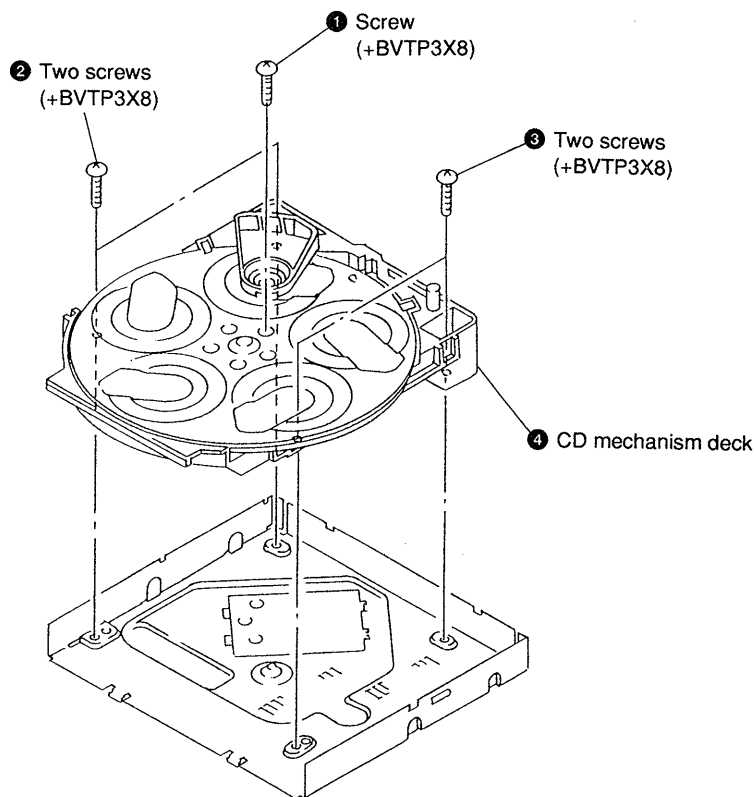


#### 2-2. TC MECHANISM DECK

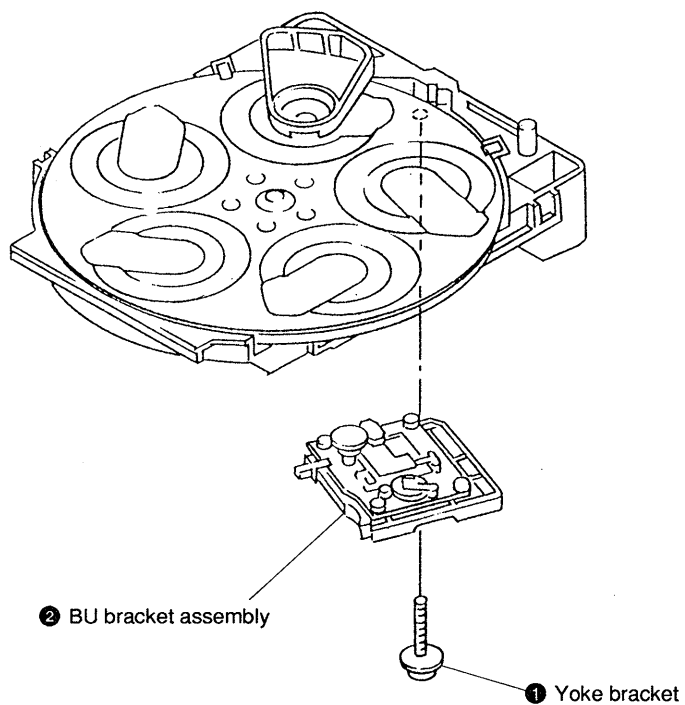
- ① Push the EJECT button.



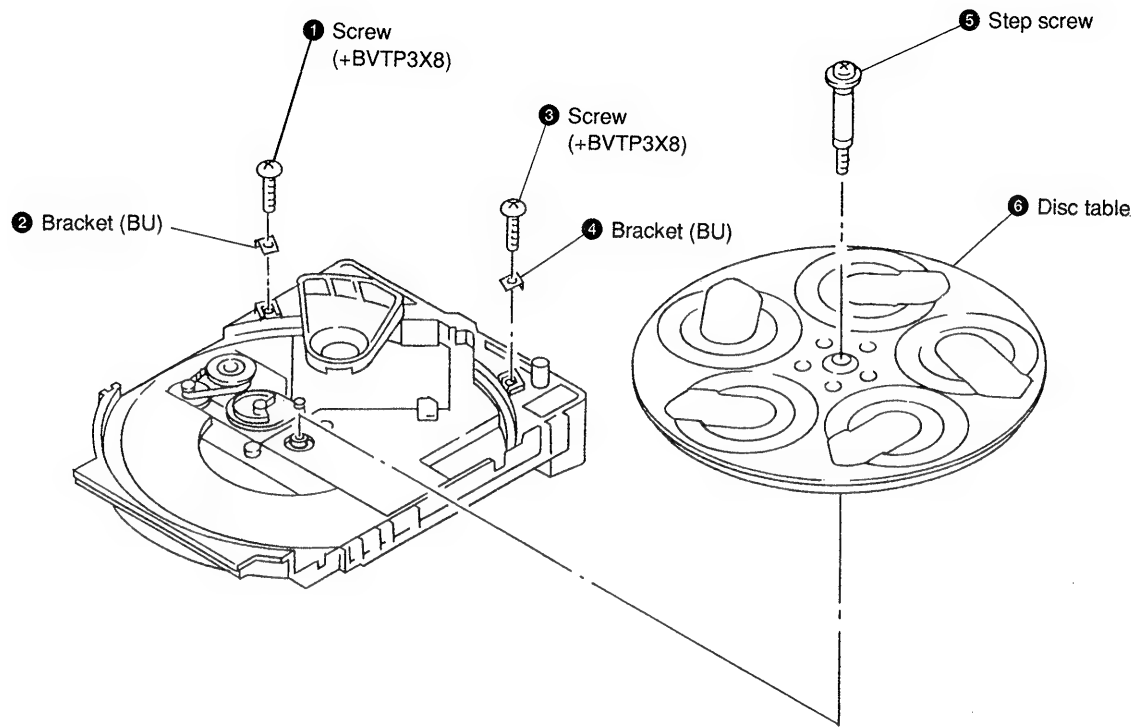
## 2-3. CD MECHANISM DECK



## 2-4. BU BRACKET ASSY



## 2-5. DISC TABLE





## SECTION 3 MECHANICAL ADJUSTMENTS

### PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab :
 

record/playback heads	pinch rollers
erase head	rubber belts
capstan	idlers
2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

### Torque Measurement

Torque	Torque meter	Meter reading
FWD	CQ-102C	36 to 61g • cm (0.5 – 0.84 oz • inch)
FWD back tension	CQ-102C	2 to 6g • cm (0.02 – 0.08 oz • inch)
REV	CQ-102RC	36 to 61g • cm (0.5 – 0.84 oz • inch)
REV back tension	CQ-102RC	2 to 6g • cm (0.02 – 0.08 oz • inch)
FF/REW	CQ-201B	61 to 143g • cm (0.85 – 1.99 oz • inch)
FWD tension	CQ-403A	100g or more (3.53 oz or more)
REV tension	CQ-403R	100g or more (3.53 oz or more)

## SECTION 4 ELECTRICAL ADJUSTMENTS

### DECK SECTION

0 dB=0.775V

1. Demagnetize the record/playback head with a head demagnetizer.
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-ch.
7. Switches and controls should be set as follows unless otherwise specified.  
DOLBY NR switch : OFF (D570/N355 : AEP, UK, German, Italian, East European model)
8. Set to test mode. (Press key switch simultaneously DISPLAY/DEMO, TUNER/BAND and FILE 1 button.)

Tape	Signal	Used for
P-4-A100	10 kHz, -10 dB	Azimuth Adjustment
WS-48B	3 kHz, 0 dB	Tape Speed Adjustment
P-4-L300	315 Hz, 0 dB	Level Adjustment

### Record/Playback Head Azimuth Adjustment

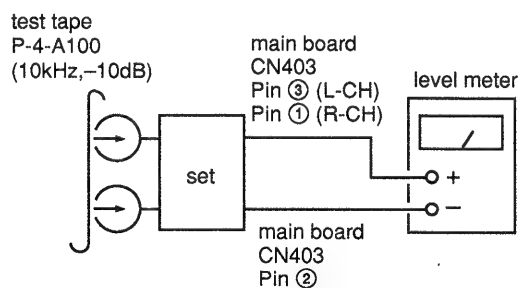
#### DECK A

#### DECK B

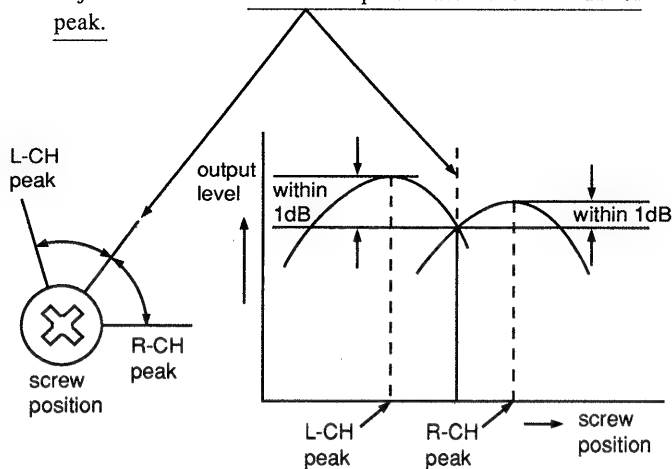
**Note :** Perform this adjustments for both decks.

#### Procedure :

1. Mode : Playback (FWD)

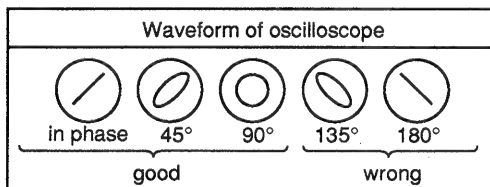
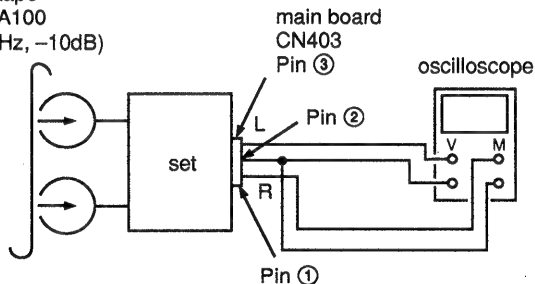


- Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.



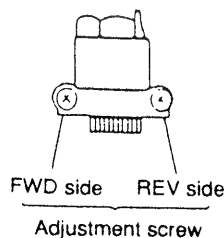
- Mode : Playback (FWD)

test tape  
P-4-A100  
(10kHz, -10dB)



- Repeat steps 1 to 3 in playback (REV) mode.
- After the adjustments, apply suitable locking compound to the parts adjusted.

**Adjustment Location :** Record/Playback Head (Deck A and B)

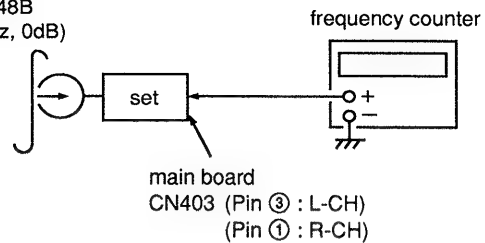


## Tape Speed Adjustment **DECK A**

### Procedure :

Mode : Playback (FWD)

test tape  
WS-48B  
(3kHz, 0dB)



### High speed adjustment

- Set to test mode. (See page 11)
- Insert the WS-48B to the deck A to playback.
- Press the **HIGH SPEED DUBBING** button. Then at HIGH speed mode.
- Adjust RV652 on the MD board so that the frequency counter reading becomes  $6,000 \pm 30$  Hz.
- Press the **HIGH SPEED DUBBING** button again to be set the NORMAL SPEED mode.

### Normal speed adjustment

- Set to the playback mode.
- Adjust RV651 on the MD board so that the frequency counter reading becomes  $3,000 \pm 15$  Hz.

Frequency difference between deck A and deck B the beginning of the tape should be within  $\pm 1.5\%$ .

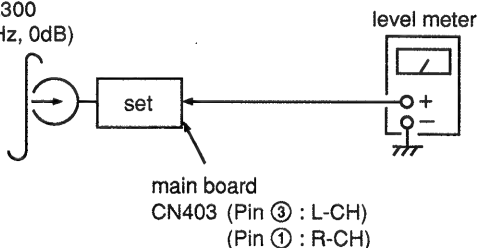
**Adjustment Location :** MD board

## Playback Level Adjustment **DECK A** **DECK B**

### Procedure :

Mode : Playback (FWD)

test tape  
P-4-L300  
(315Hz, 0dB)



Deck A is RV311 (L-CH) and RV411 (R-CH), deck B is RV301 (L-CH) and RV401 (R-CH) so that adjustment within the following adjustment level.

### Adjustment level :

CN403 PB level: 301.5 to 338.3 mV ( $-8.2$  to  $-7.2$  dB)

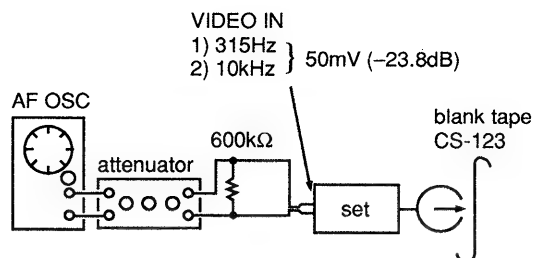
level difference between the channels: within  $\pm 0.5$  dB

**Adjustment Location :** MD board

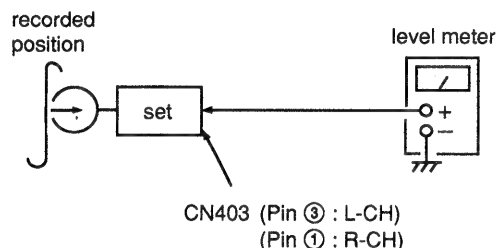
## Record Bias Current Adjustment **DECK B**

### Procedure :

1. Mode : record



2. Mode : Playback



Confirm playback the signal recorded in step 1 become adjustment level as follows.

If these levels do not adjustment level, adjust the RV341 (L-CH) and RV441 (R-CH) on the MD board to repeat step 1 and 2.

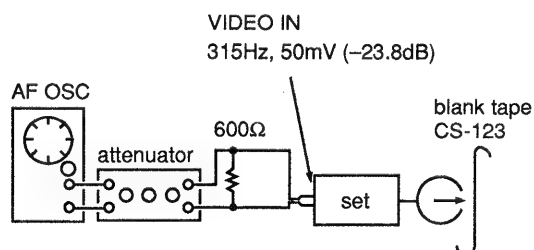
**Adjustment level :** The playback output of 10 kHz level difference against 315Hz reference should be  $\pm 0.5$  dB

**Adjustment Location :** MD board

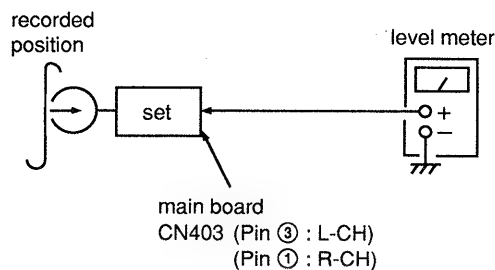
## Record Level Adjustment **DECK B**

### Procedure :

1. Mode: record



2. Mode: Playback



Confirm playback the signal recorded in step 1 become adjustment level as follows.

If these levels do not adjustment level, adjust the RV301 (L-CH) and RV351 (R-CH) on the main board to repeat steps 1 and 2.

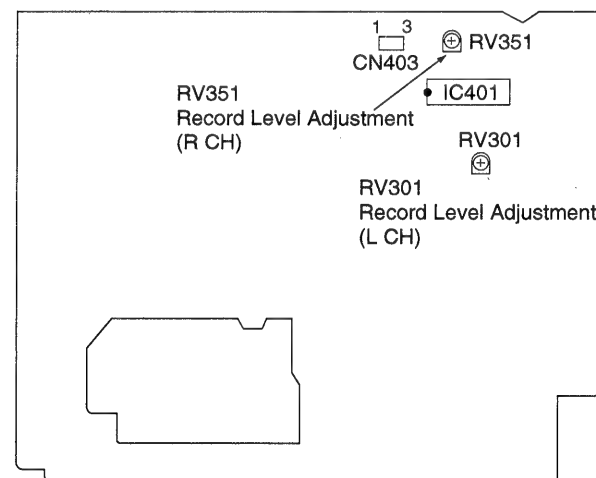
### Adjustment level :

CN403 PB level : 47.2 to 53.0 mV ( $-24.3$  to  $-23.3$  dB)

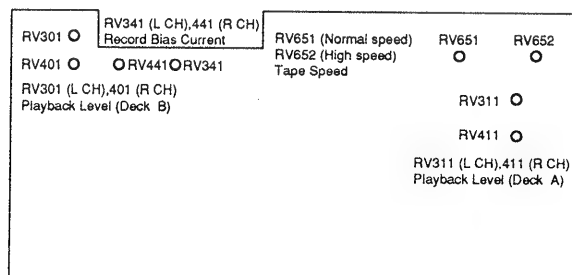
**Adjustment Location :** main board

## Adjustment Location

### [MAIN BOARD] (Component Side)



### [MD BOARD] (Conductor Side)



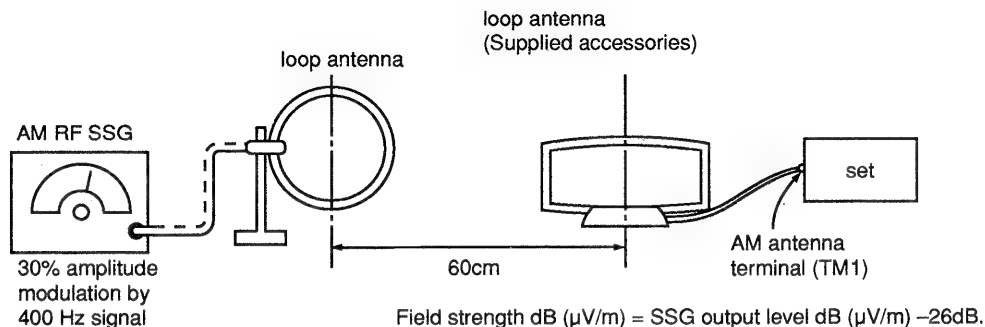
**TUNER SECTION****0dB=1μV**

**Note :** As a front-end (FE1) is difficult to repair if faulty, replace it with new one.

**AM Tuned Level Adjustment**

**Note :** FM Tuned Level Adjustment should be performed after this AM Tuned Level Adjustment.

**Setting :**



Band : AM or MW

**Procedure :**

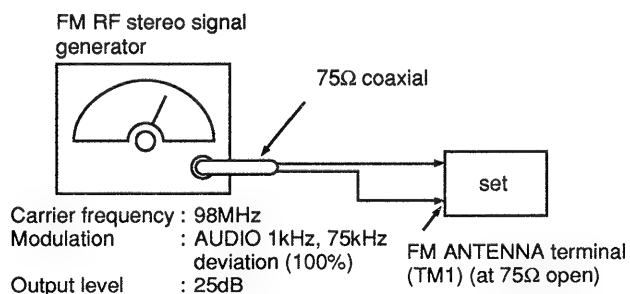
1. Set the output of SSG so that the input level of the set becomes 55 dB.
2. Tune the set to 1,050 kHz (MX, AR models), 999 kHz (other models).
3. Adjust RV41 (AEP, UK, IT, G, EA, EE models), RV42 (other models) to the point (moment) when the TUNED indicator will change from going off to going on.

**Adjustment Location :** TCB board

**FM Tuned Level Adjustment**

**Note :** This adjustment should be performed after AM Tuned Level Adjustment.

**Setting :**



Band : FM

**Procedure :**

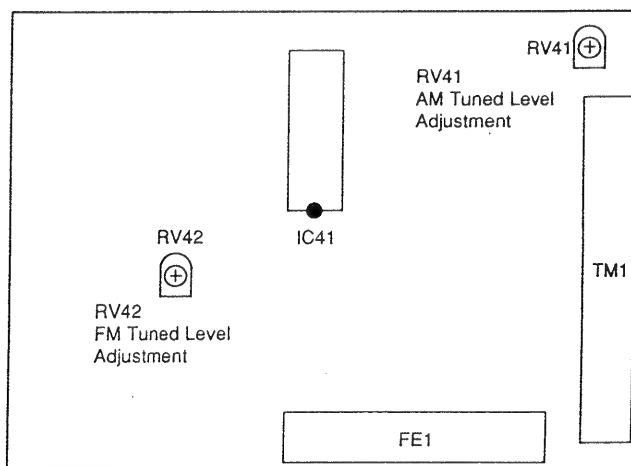
1. Supply a 25 dB 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98 MHz.
3. Adjust RV42 (AEP, UK, IT, G, EA, EE models), RV41 (other models) to the point (moment) when the TUNED indicator will change from going off to going on.

**Adjustment Location :** TCB board

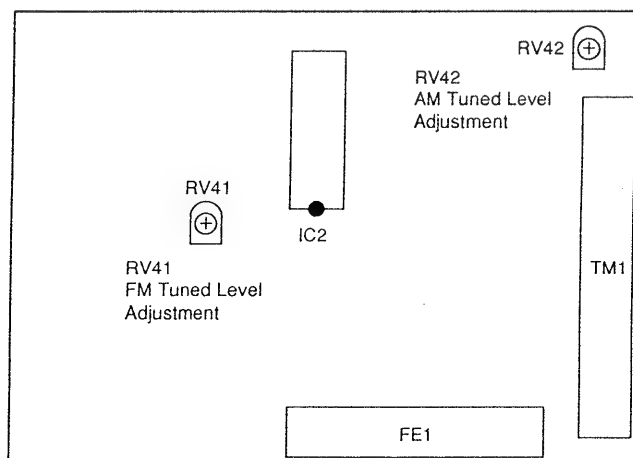
**Adjustment Location**

**AEP, UK, G, IT, EA, EE model**

**[TCB BOARD] (Component Side)**

**Other model**

**[TCB BOARD] (Component Side)**



**SW Section Adjustment**  
**(N355K : EA model)**  
**SW OSC Voltage Adjustment**

**Setting :**  
 Band : SW

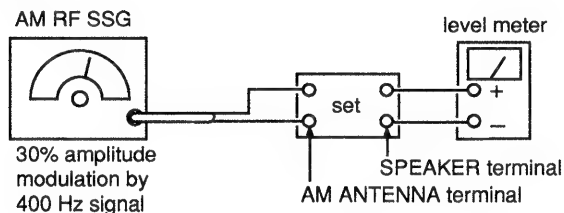
**Procedure :**

1. Connect digital Voltmeter to diode D1 center lead and ground.
2. Adjust for a following value reading on digital voltmeter.

	Set frequency	Adjustment part	Reading on digital voltmeter
SW	5.95 MHz	T2	$1.2 \pm 0.1$ V
	17.9 MHz	CV2	$8.5 \pm 0.2$ V

**SW Tracking Adjustment**

**Setting :**  
 Band : SW



**Procedure :**

	Set frequency	Adjustment part
SW	7 MHz	T1
	17 MHz	CV1

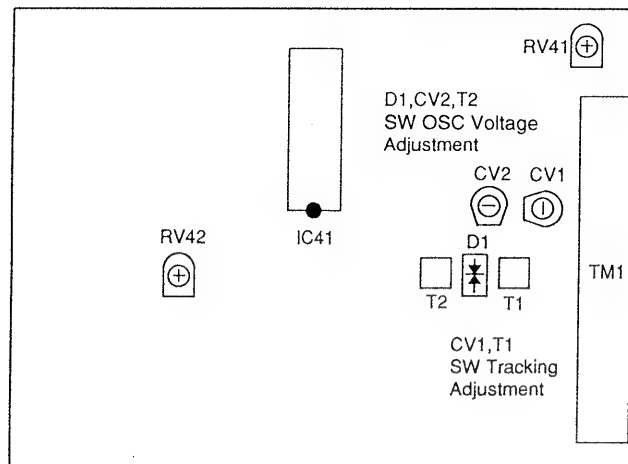
- Repeat the procedures is each adjustment several times, and the frequency coverage and tracking adjustment should be finally done by the trimmer capacitors.

**Adjustment Location : TCB board**

• Abbreviation

- G : German model.
- IT : Italian model.
- EE : East European model.
- EA : Saudi Arabia model.
- MX : Mexican model.
- AR : Argentine model.

**Adjustment Location : TCB board**

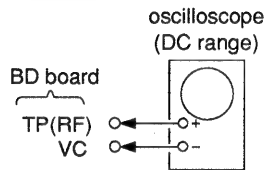


## CD SECTION

### Note :

1. CD Block is basically designed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use an oscilloscope with more than 10M $\Omega$  impedance.
4. Clean the object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.
5. Adjust the focus bias adjustment when optical block is replaced.

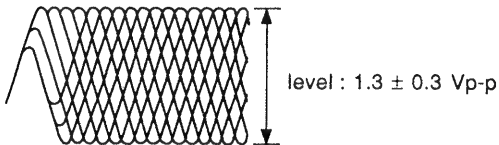
### Focus Bias Adjustment



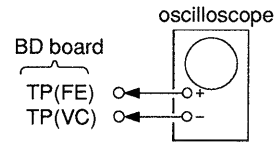
### Procedure:

1. Connect oscilloscope to test point TP (RF). (GND terminal : VC)
2. Turned Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Adjust RV101 so that the waveform is clear.  
(Clear RF signal waveform means that the shape “ $\diamond$ ” can be clearly distinguished at the center of the waveform.)
5. After adjustment, check the RF signal level.

- RF signal  
VOLT/DIV : 200 mV  
TIME/DIV : 500 nS



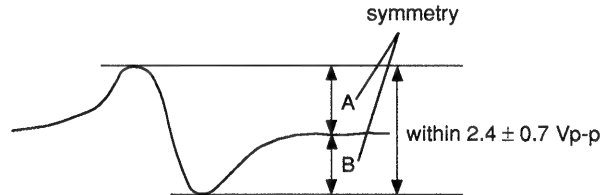
### S Curve Check



### Procedure :

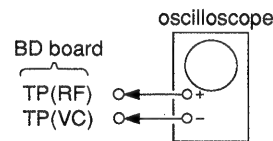
1. Connect oscilloscope to test point TP (FEO).
2. Connect between test point TP (FOK) and GND by lead wire.
3. Turn Power switch on.
4. Put disc (YEDS-18) in and turned Power switch on again and actuate the focus search. (actuate the focus search when disc table is moving in and out.)
5. Check the oscilloscope waveform (S-curve) is symmetrical between A and B. And confirm peak to peak level within  $2.4 \pm 0.7$  Vp-p.

S-curve waveform



6. After check, remove the lead wire connected in step 2.
- Note :**
- Try to measure several times to make sure than the ratio of A : B or B : A is more than 10 : 7.
  - Take sweep time as long as possible and light up the brightness to obtain best waveform.

### RF Level Check



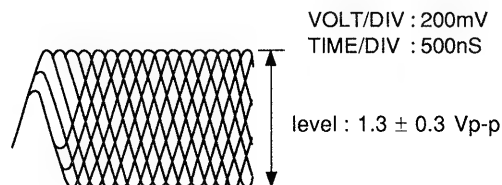
### Procedure :

1. Connect oscilloscope to test point TP (RF) on BD board.
2. Turned Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

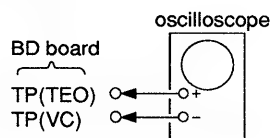
### Note :

Clear RF signal waveform means that the shape “ $\diamond$ ” can be clearly distinguished at the center of the waveform.

RF signal waveform



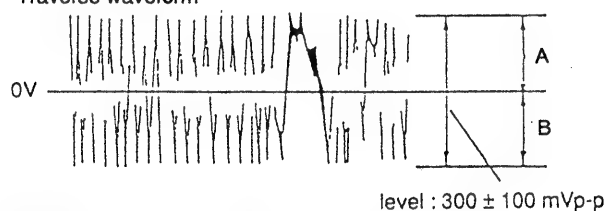
## E-F Balance Check



### Procedure :

1. Connect test point TP 701 (ADJ) on Main board to GND with a lead wire.
2. Connect oscilloscope to test point TP (TEO).
3. Turned Power switch on.
4. Put disc (YEDS-18) in and playback.
5. Confirm that the oscilloscope waveform is symmetrical on the top and bottom in relation to 0Vdc, and check this level.

### Traverse waveform



Specified level :  $\bullet \frac{A - B}{2(A + B)} \times 100 = \text{less than } \pm 7\%$   
 $\bullet A + B = 300 \pm 100 \text{ mVp-p}$

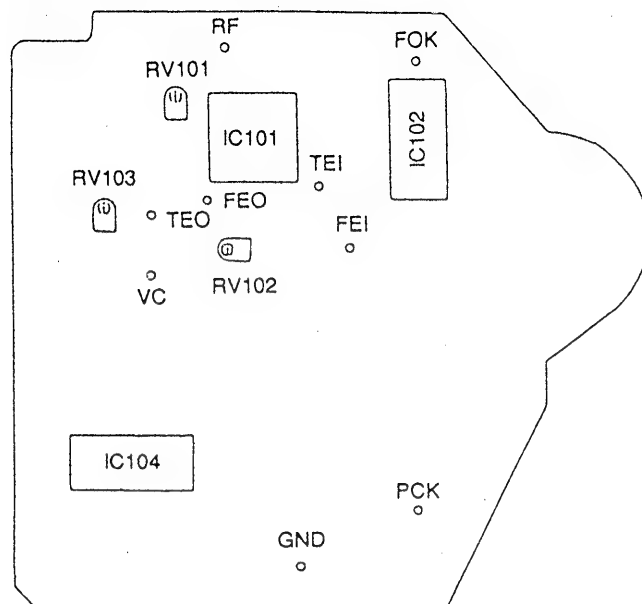
6. Remove the lead wire connected in step 1.

### Focus/Tracking Gain Adjustment (RV102, RV103)

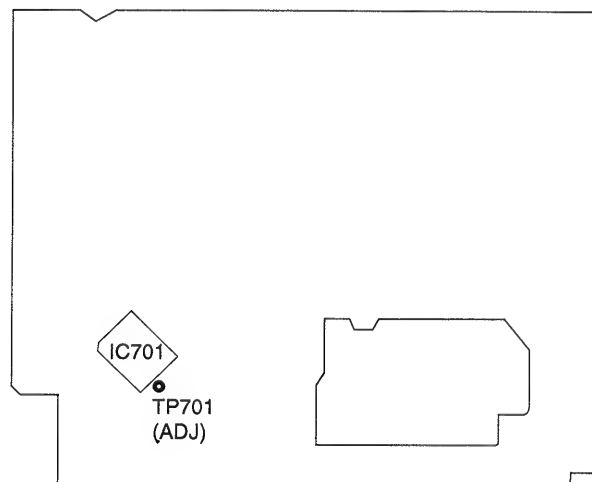
This gain has a margin, so even if it is slightly off.  
 There is no problem.  
 Therefore, do not perform this adjustment.  
 Please note that it should be fixed to mechanical center position when you moved and do not know original position.

## Adjustment Location :

### [ BD BOARD ] (Conductor Side)



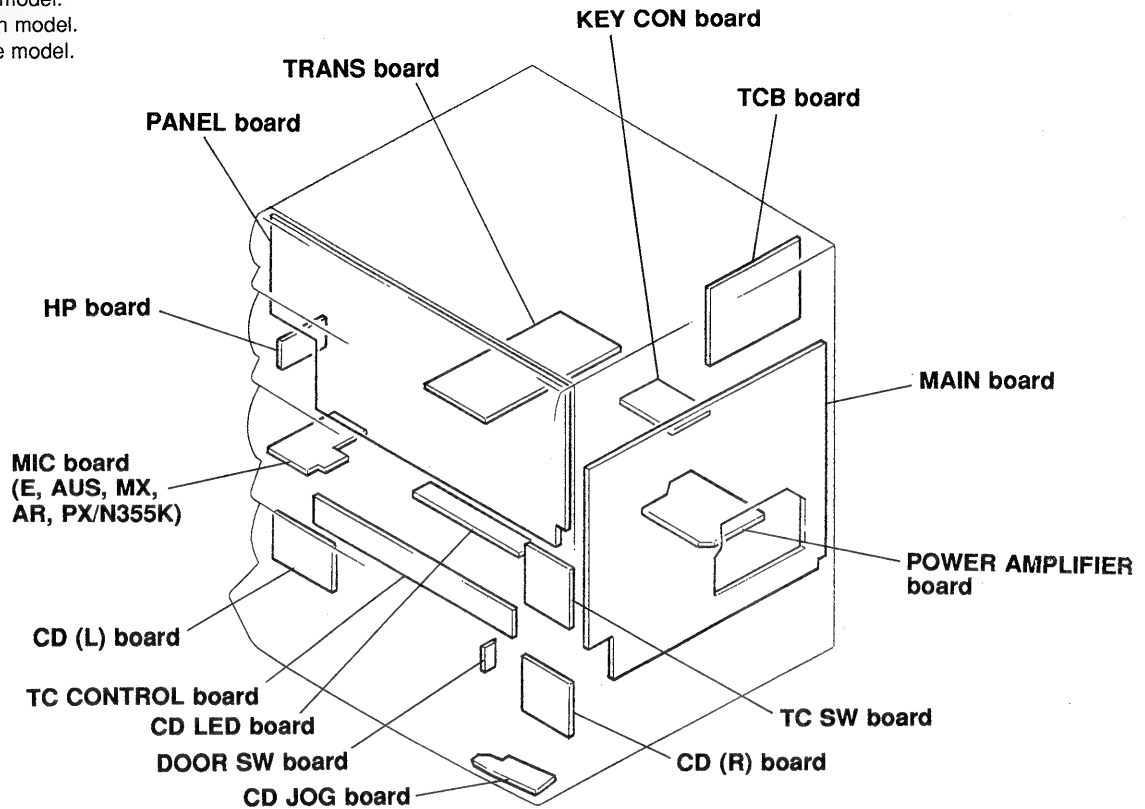
### [ MAIN BOARD ] (Conductor Side)



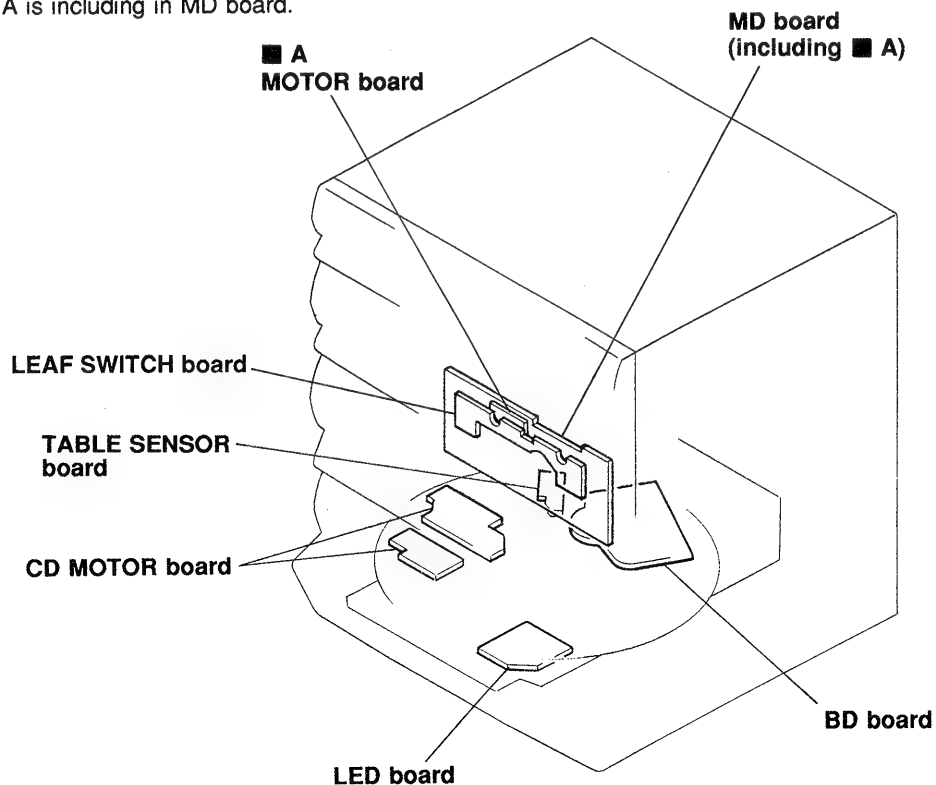
## SECTION 5 DIAGRAMS

### 5-1. CIRCUIT BOARDS LOCATION

- Abbreviation  
 MX : Mexican model.  
 AUS : Australian model.  
 AR : Argentine model.



**Note :** ■ A is including in MD board.





## 5-2. IC PIN FUNCTIONS

### • IC501 GRAPHIC CONTROL (ASD0204-012-3BA)

Pin No.	Pin Name	I/O	Function
1	V <sub>DD</sub>	—	+5V
2	$\overline{\text{LED8}}$	O	LED drive signal output.
3, 4	$\overline{\text{LED7, 6}}$	O	Not used.
5–9	$\overline{\text{LED5–1}}$	O	LED drive signal output.
10	$\overline{\text{RESET}}$	I	Reset signal input.
11	X2	O	} X'tal (4 MHz).
12	X1	I	
13	IC (V <sub>pp</sub> )	—	Ground
14	XT2	I	Not used.
15	JOG B	I	AMS encoder signal input.
16	V <sub>DD</sub>	—	+5V
17, 18	$\overline{\text{LED10, 9}}$	O	LED drive signal output.
19	KEY SEL	O	Key select control.
20	VOL B	I	Volume encoder signal input.
21	REQ. GM	O	Reguest signal from/to master control.
22	CLK MG	I	Serial clock input.
23	DATA GM	O	Serial data output.
24	DATA MG	I	Serial data input.
25	A V <sub>ss</sub>	—	Ground
26–29	SPEANA 4–1	I	Spectram analyzer signal input.
30–33	KEY 4–1	I	Key matrix input.
34	A V <sub>DD</sub>	—	} +5V
35	A V <sub>REF</sub>	—	
36	VOL A	I	Volume encoder signal input.
37	JOG A	I	AMS encoder signal input.
38	RDY MG	I	Ready signal from master control.
39	SIRCS	I	SIRCS signal input.
40	V <sub>ss</sub>	—	Ground
41	DOR SW	I	CD door open detection input.
42	LED SELECT	O	LED select signal output.
43–45	$\overline{\text{LED13–11}}$	O	LED drive signal output.
46	V <sub>DD</sub>	—	+5V
47, 48	LEDS7, 6	O	Not used.
49, 50	LEDS5, 4	O	Not used. (Pull down)
51–53	LEDS3–1	O	LED drive signal output.
54–78	SEG32–8	O	FL segment signal output.
79	V. LOAD	—	–25V for FL
80–86	SEG7–1	O	FL segment signal output.
87–100	GR14–1	O	FL grid signal output.

#### • Abbreviation

FL : FLUORESCENT INDICATOR TUBE

• IC701 MASTER CONTROL (TMP87CS64YF)

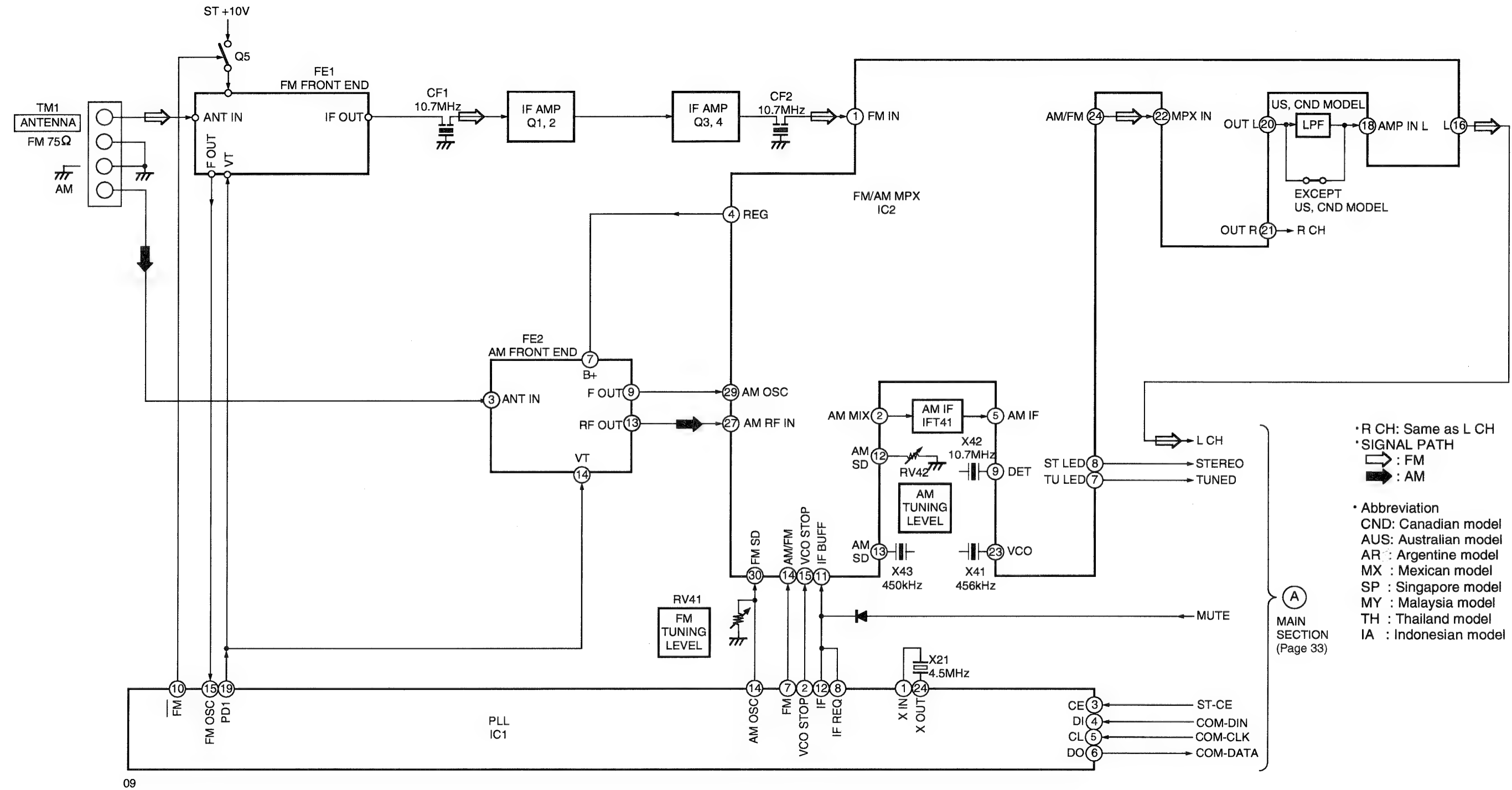
Pin No.	Pin Name	I/O	Function
1	Vss	—	Ground
2	XOUT	O	} X'tal (10 MHz).
3	XIN	I	
4	RESET	I	Reset signal input.
5	XOUT	O	} X'tal for clock (32.768 kHz)
6	XIN	I	
7	GND (test)	—	Ground
8	AC CUT	I	Back up signal input.
9	SUPER WOOFER ON	O	Not used. (Connected to ground)
10	ST-MUTE ON	O	Mute signal output for tuner.
11	180-A-PLAY	I	} Tape detection signal input. (Not used) (Connected to ground)
12	180-B-PLAY	I	
13	180-B-REC	I	
14	CLK CHK	I	Not used.
15	UP-SW	I	Disc table up detect. (Not used) (Open)
16	IN-SW	I	Not used.
17	ENCODER-0	I	} Disc tray address detect encoder input. (Not used)
18	ENCODER-1	I	
19	ENCODER-2	I	
20	OUT SW OPEN	I	Out switch signal input. (Not used)
21	LOAD IN	O	} Loading motor control signal output.
22	LOAD OUT	O	
23	TBL-L	O	} Table motor control signal output.
24	TBL-R	O	
25	SCOR	I	Sub-code sync signal input.
26	TBL-SENS	I	CD Table sensor signal input.
27	RDS INT	I	RDS data start input. (Connected to ground)
28	RDS DATA	I	RDS data output. (Connected to ground)
29	DF LAT	O	Latch signal for digital filter.
30	SENS	I	Table sence signal input.
31	XRST	O	Reset signal output for CD.
32	MG-RDY	I	Ready signal from graphic control.
33	ADJ	I	Test mode input.
34	GM-REQ	I	Request signal from graphic control.
35	MG-CLK	O	Clock signal to graphic control.
36	GM-DATA	I	Data input from graphic control.
37	MG-DATA	O	Data output to graphic control.
38	CD-CLK	O	Clock output. Serial bus line.
39	ADJ-2	I	Test mode input.
40	CD-DATA	O	Data output. Serial bus line.

Pin No.	Pin Name	I/O	Function
41	AUB IN	I	} Audio bus in/output. (Open)
42	AUB OUT	O	
43	FOCUS SW	O	Focus switching signal output.
44	SQ-CLK	O	Subcode Q data read clock output.
45	SQ-DATA	I	Subcode Q data input.
46	X-LAT	O	Latch signal digital signal processor.
47	TEST	I	Test land.
48	VAREF	I	Analog reference voltage input.
49	VAss	—	} Ground
50	Vss	—	
51	VDD	—	+5V
52	SPEC	I	} Destination detection setting input.
53	DESTINATION	I	
54	DISC SENS	I	Not used. (Connected to ground)
55	TC RELAY	O	REC/PB select signal output.
56	A-SHUT	I	} Control signal input from deck.
57	B-SHUT	I	
58	B-HALF	I	
59	A-HALF	I	
60	220-A-PLAY	I	
61	220-B-PLAY	I	
62	62427 LAT	O	PLL latch output.
63	K-CON-LAT	O	Latch signal for KEY CON. (N355K)
64	VOL LAT (AV)	O	Latch signal for electrical volume. (Not used) (Open)
65	REAR SP RELAY B	O	} Not used. (Open)
66	FRONT SP RELAY C	O	
67	POWER ON	O	Power on signal output.
68	CD POWER	O	CD power control signal output.
69	PROLOG LAT	O	Not used. (Open)
70	MUTE	O	Mute signal for AMP.
71	COM CLK	O	PLL clock output.
72	COM DIN	I	PLL data input.
73	COM DATA	O	PLL data output.
74	K CON ON	O	Control signal output for KEY CON. (N355K)
75	LIDDED LED	O	Disc No. LED drive signal output. (Not used) (Open)
76	PROLOG ON	O	PRO LOGIC control output.
77	DBFB-HIGH	O	DBFB switching signal output.
78	URG STB STDBY	I	} Not used.
79	URG STB ON	O	
80	TC A	O	Deck A, B select output.

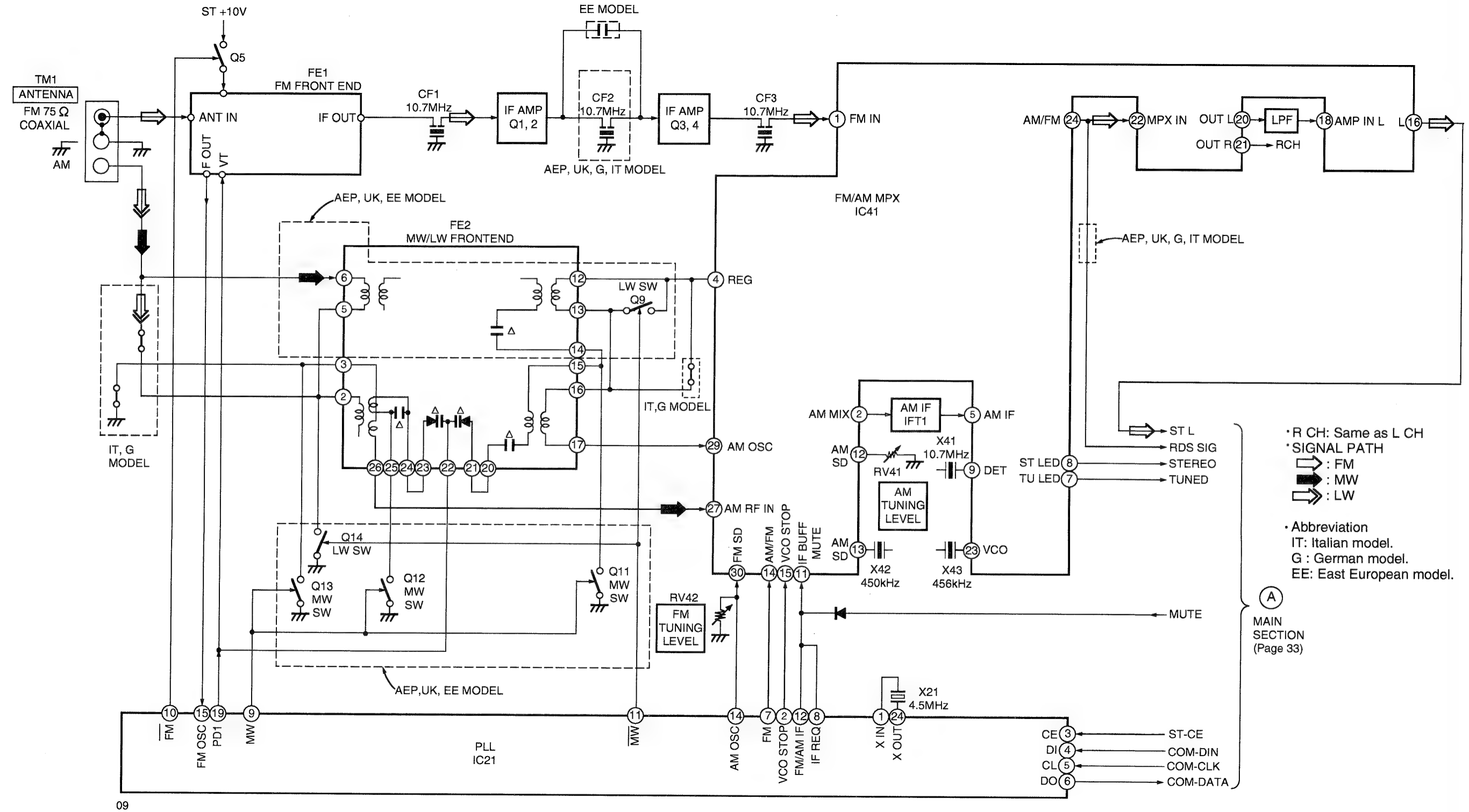
Pin No.	Pin Name	I/O	Function
81	NORM	O	NORMAL/HIGH control signal output.
82	BIAS OFF	O	Bias oscillation output.
83	REC MUTE	O	Mute output.
84	NR OFF	O	Dolby ON/OFF signal output.
85	PB	O	REC/PB control signal output.
86	PASS. AMP/DOLBY	O	Dolby switching signal output.
87	LINE MUTE ON	O	Mute signal output for deck.
88	CAP. M-HIGH	O	Capstan motor control signal output.
89	A-TRG	O	} Trigger motor control signal output.
90	B-TRG	O	
91	TRG LOW	O	Trigger motor high/low control signal output.
92	CAP M ON	O	Capstan motor ON/OFF control signal output.
93	STEREO	I	Stereo detection signal from tuner.
94	TUNED	I	Tuned detection signal from tuner.
95	ST-CE	O	Latch signal output for tuner.
96	DELAY SEL MIC	O	} Not used. (Connected to ground)
97	DELAY ON	O	
98	DELAY LEVEL A	O	
99	DELAY LEVEL B	O	
100	VDD	—	+5V

5-3. BLOCK DIAGRAMS

— TUNER SECTION — (D570 : US, CND/N355 : E, MX, PX, AUS, AR/N355K : E, SP, MY, TH, IA MODELS)

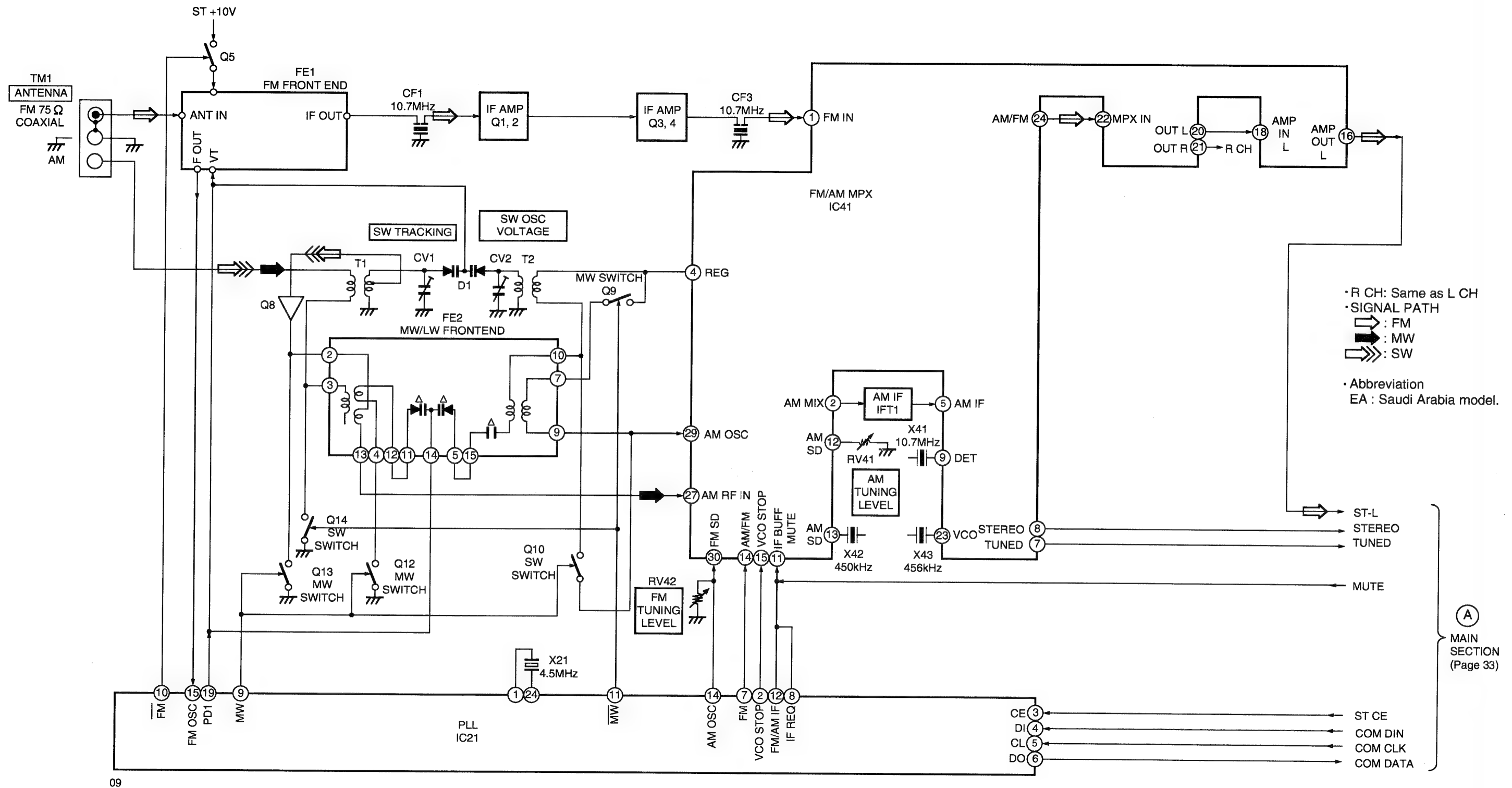


## — TUNER SECTION — (N355 : AEP, UK, G, IT, EE MODELS)

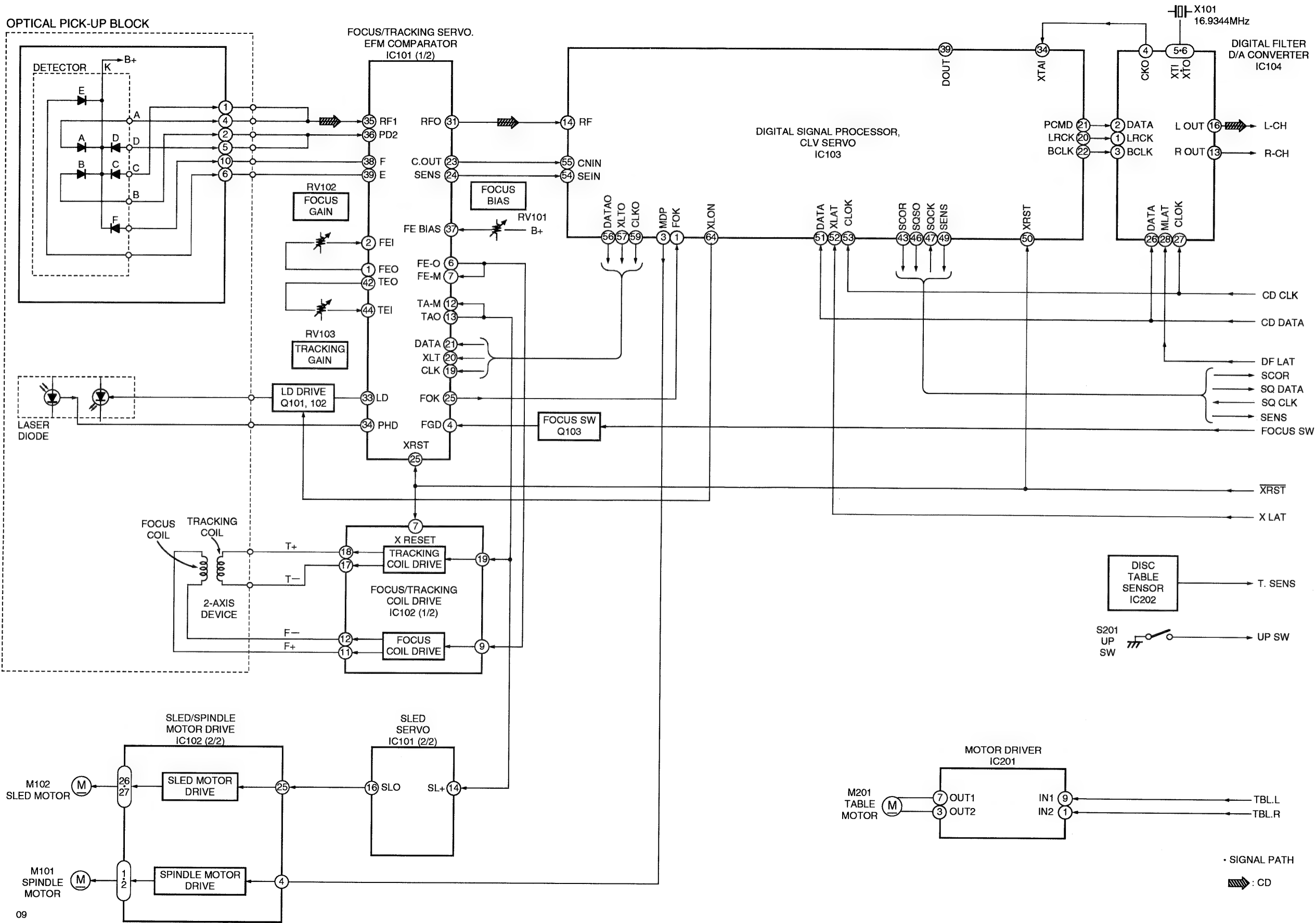


09

— TUNER SECTION — (N355K : EA MODEL)

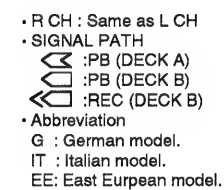


— CD SECTION —



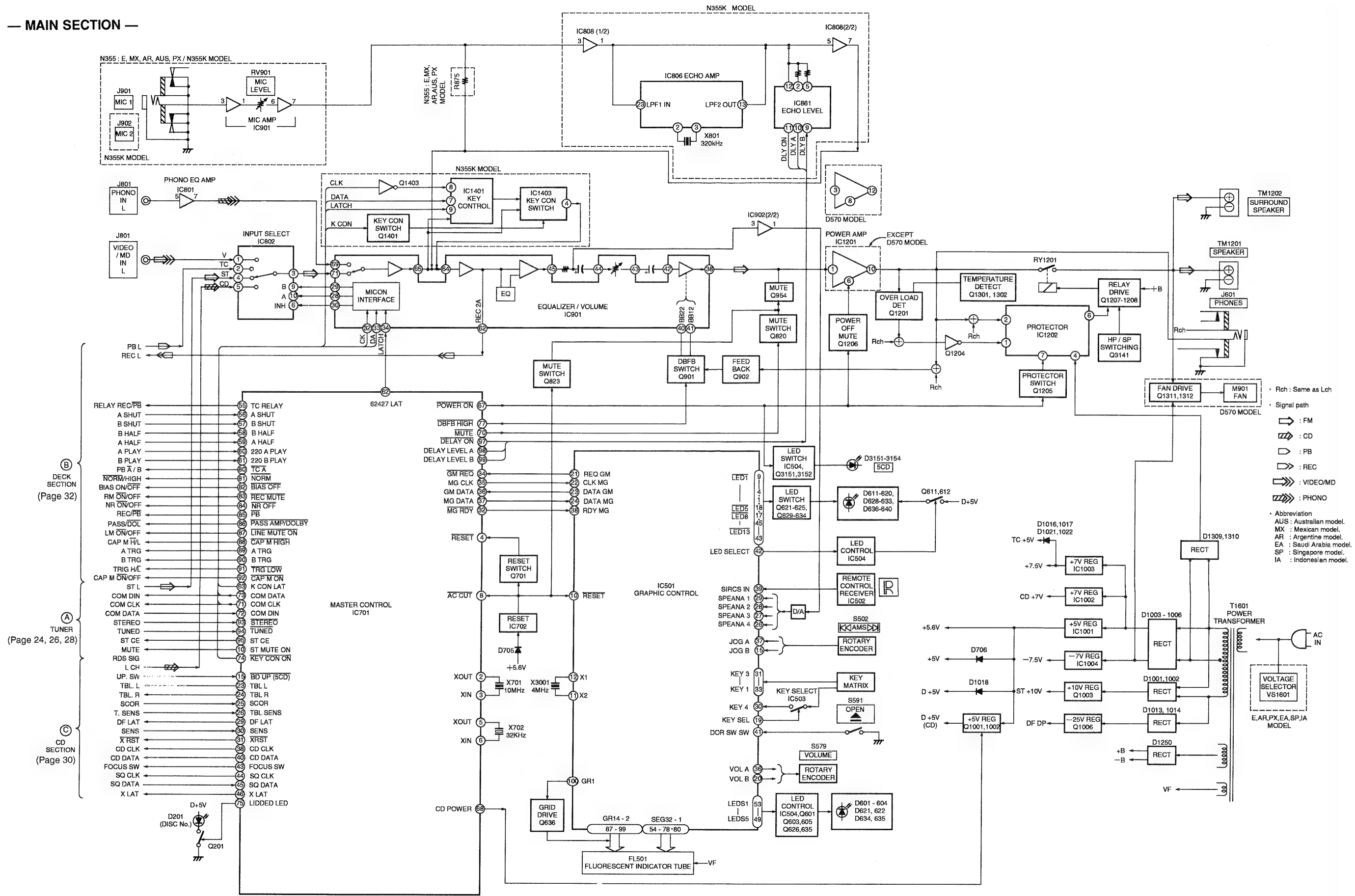
C  
MAIN  
SECTION  
(Page 33)





(B)  
MAIN  
SECTION  
(Page 33)

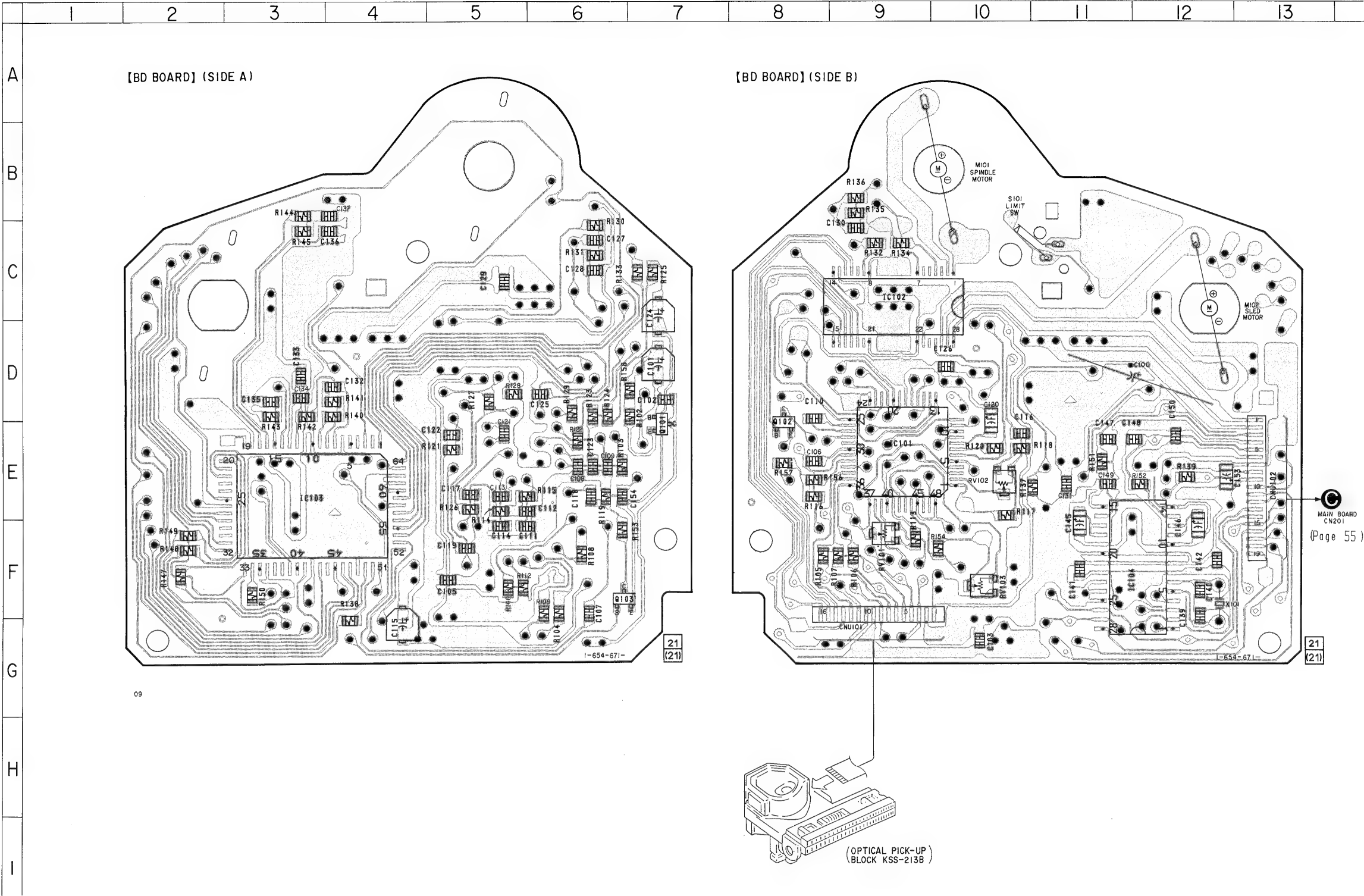
— MAIN SECTION —



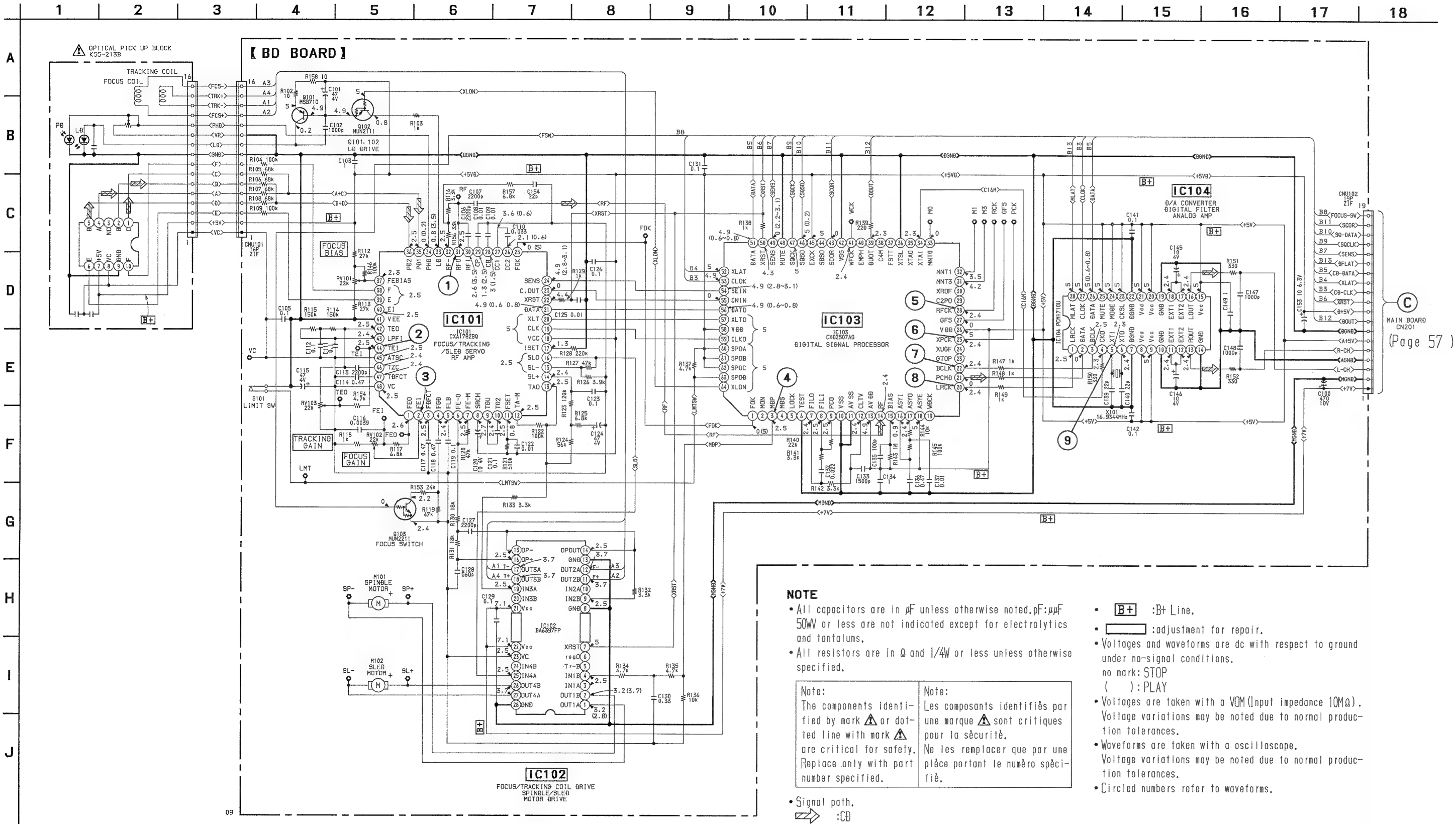
5-4. PRINTED WIRING BOARD — CD SECTION —  
• See page 18 for Circuit Boards Location.

• Semiconductor Location

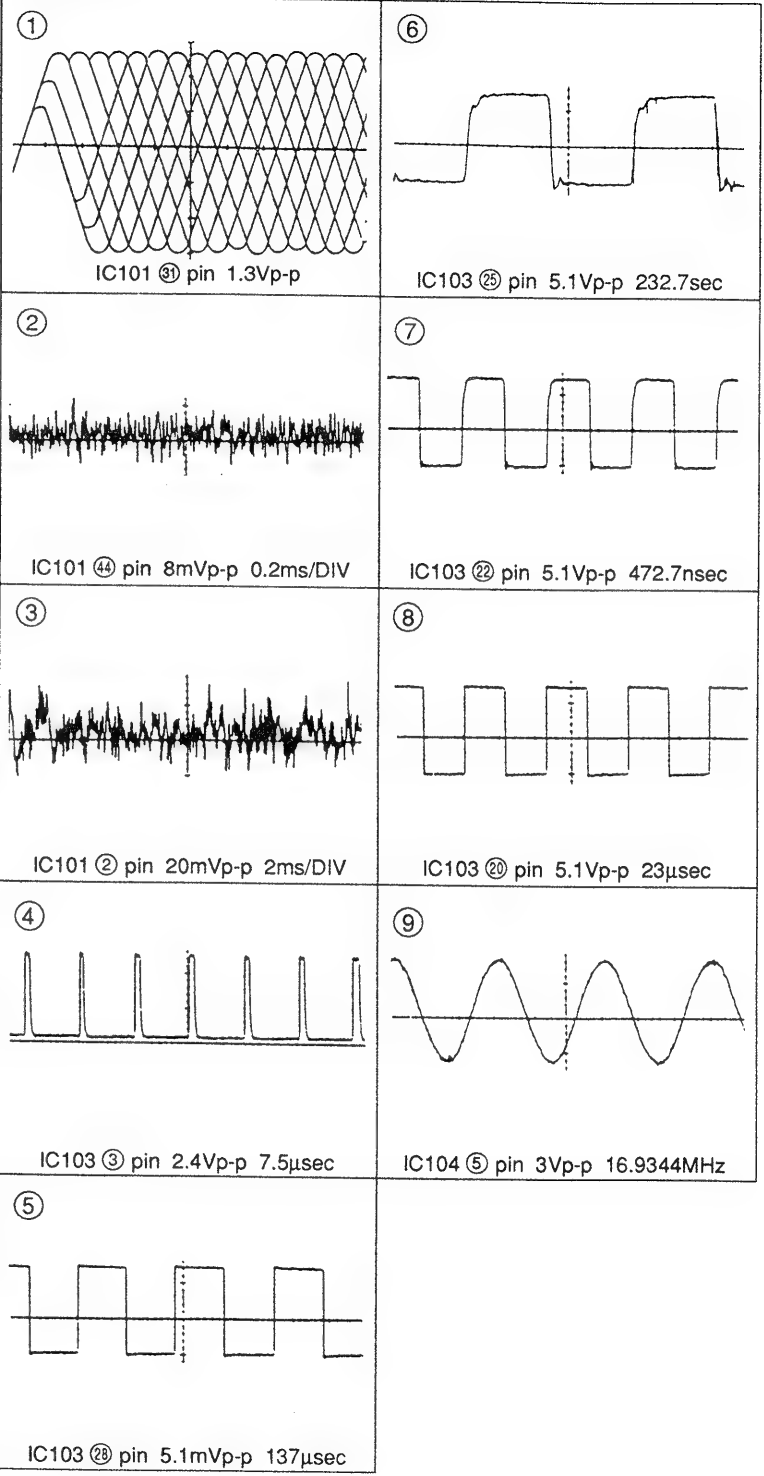
Ref. No.	Location
IC101	E-9
IC102	C-9
IC103	E-3
IC104	F-11
Q101	D-7
Q102	D-8
Q103	F-6



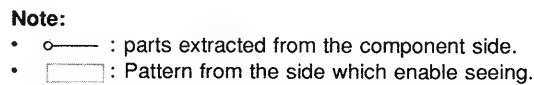
5-5. SCHEMATIC DIAGRAM — CD SECTION —  
• See page 79 for IC Block Diagrams. (IC101 — 104)



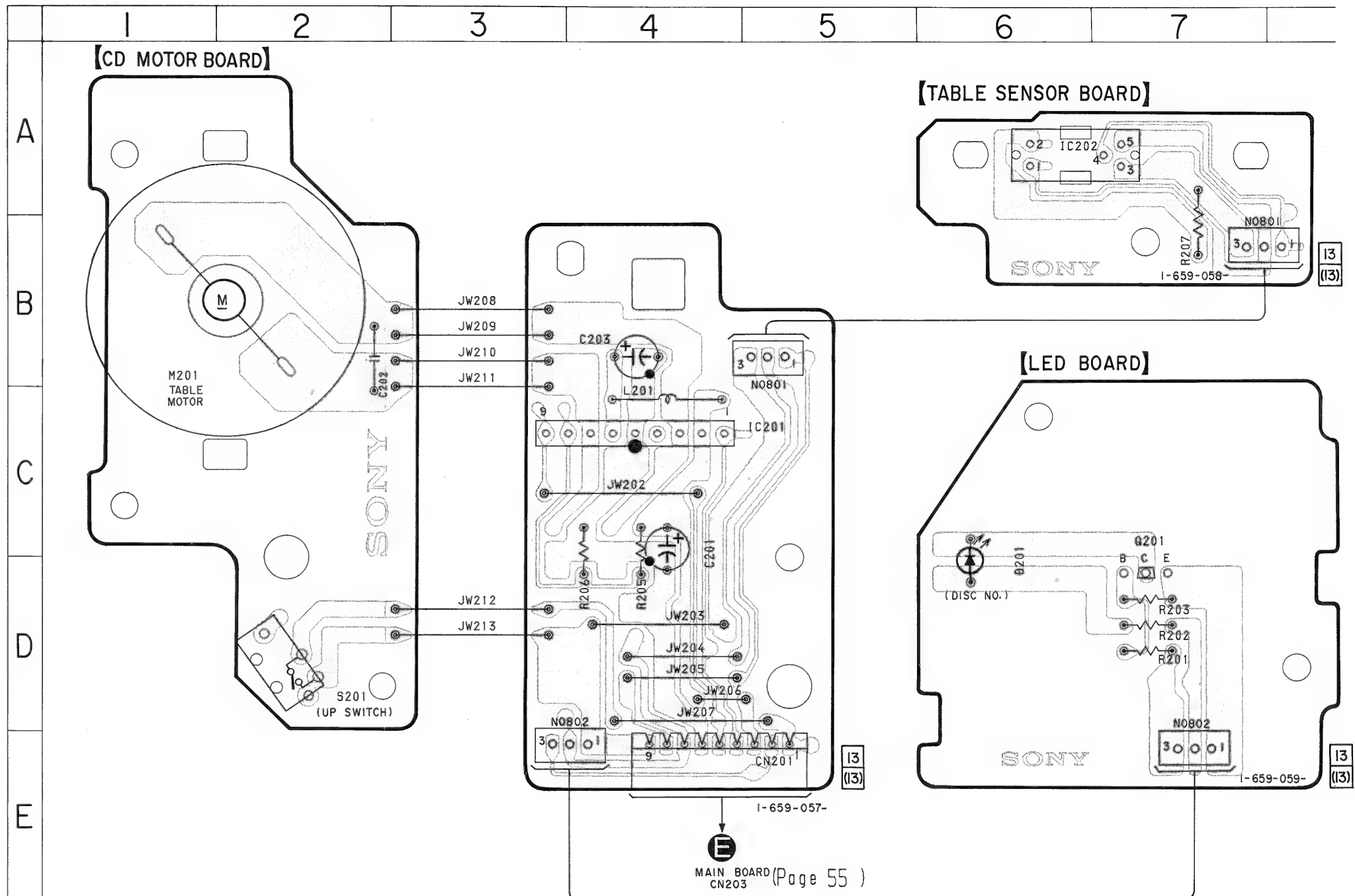
• Waveforms



— 41 —

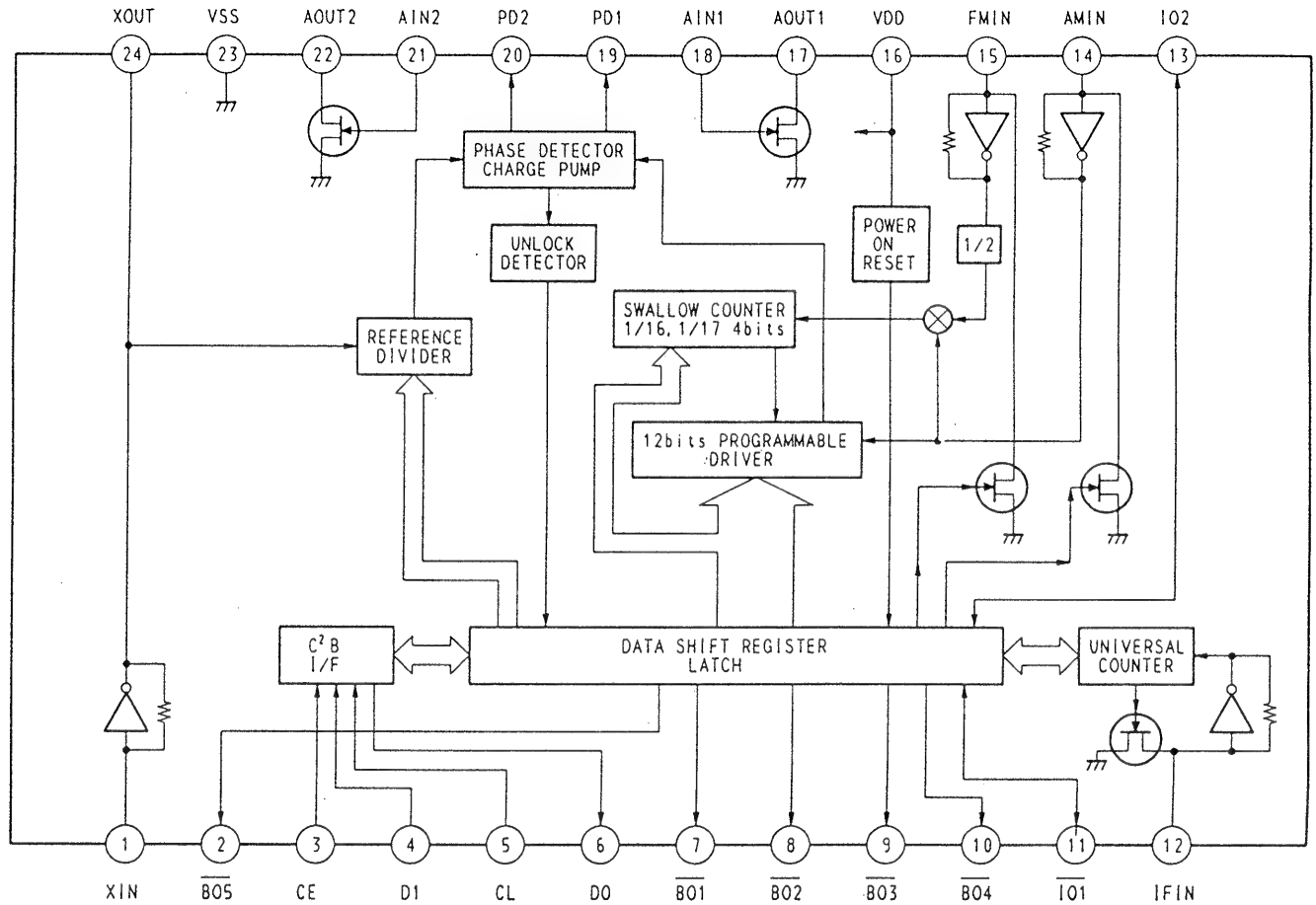


— 42 —

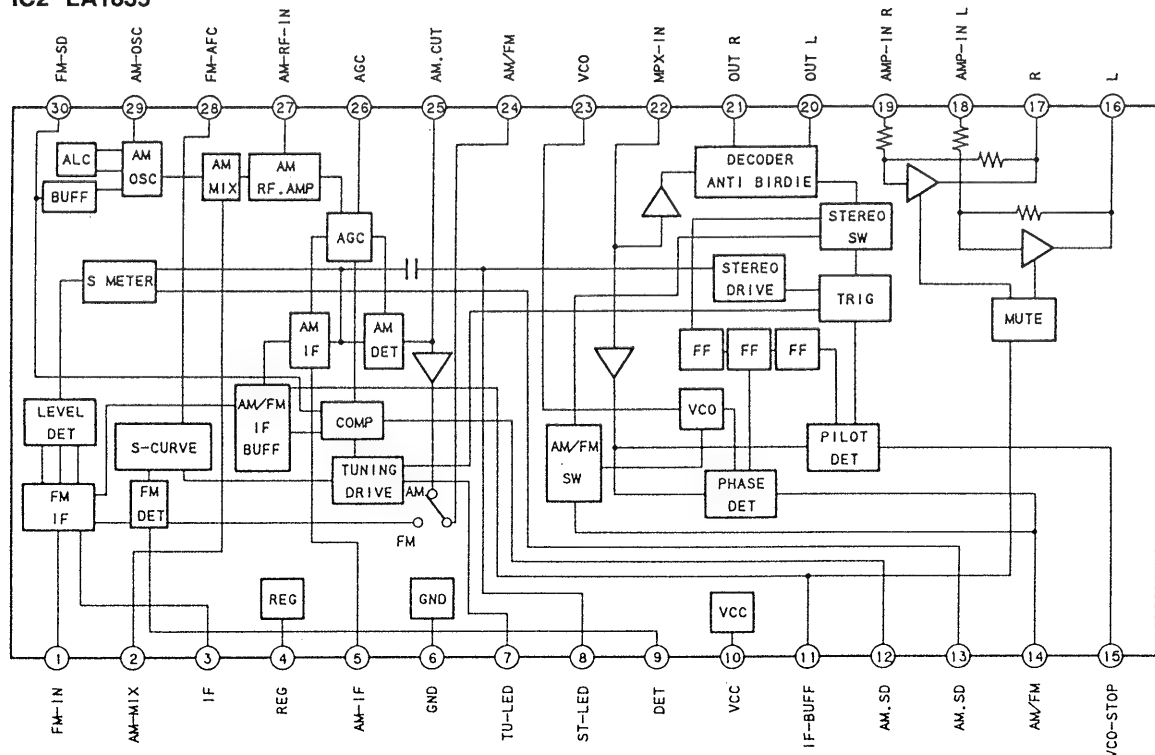


# • IC Block Diagrams

## IC1 LC72130

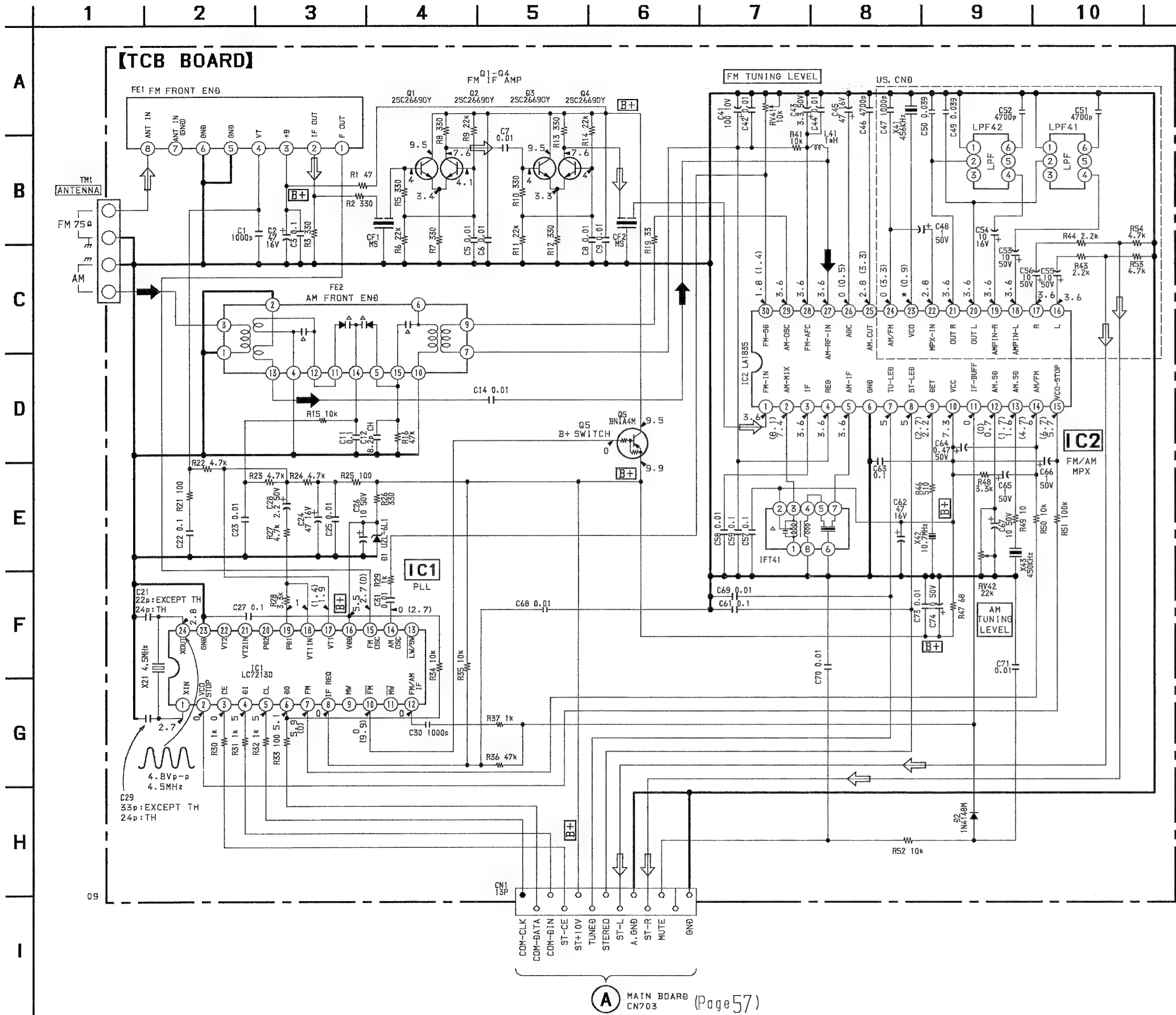


## IC2 LA1835



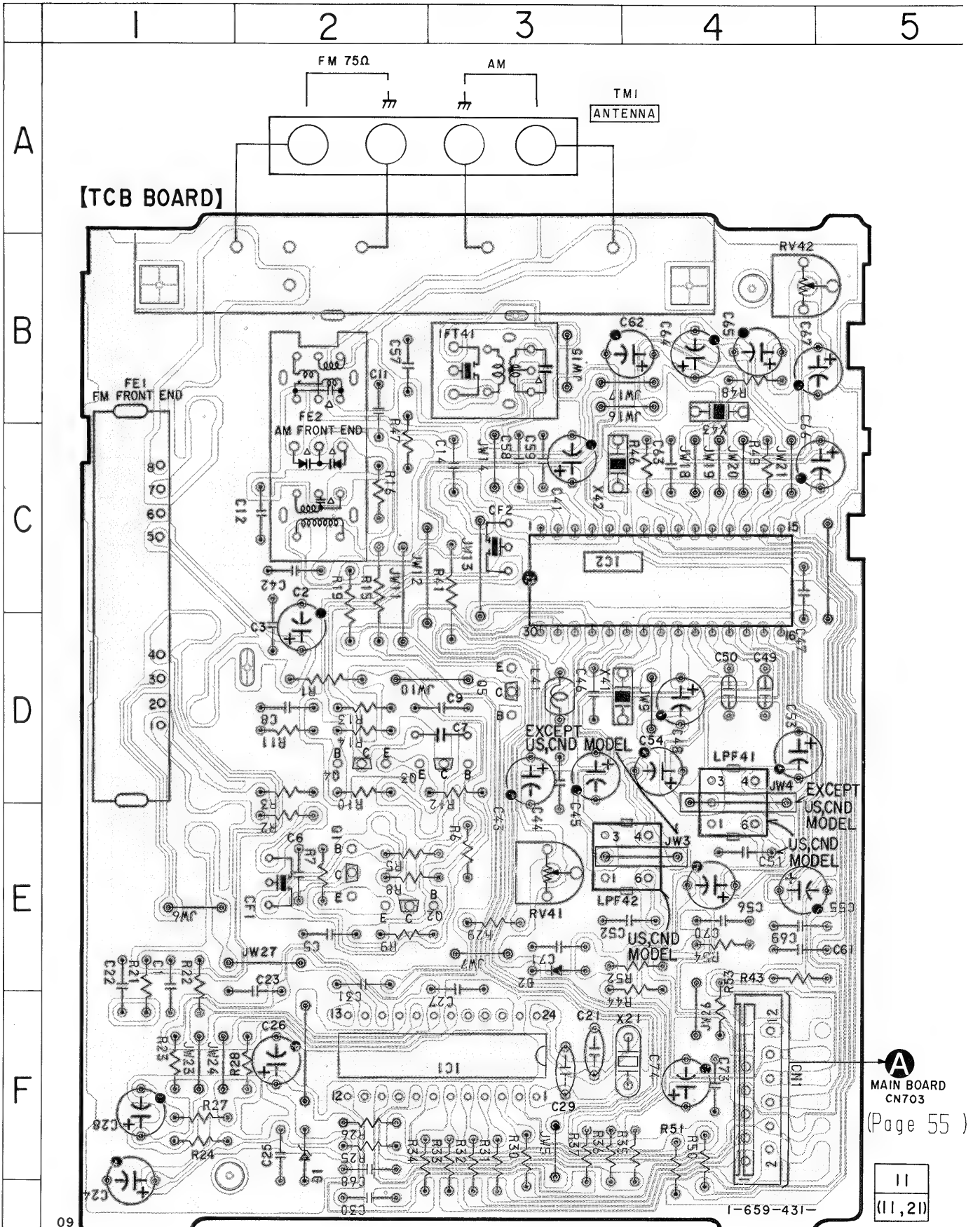


5-8. SCHEMATIC DIAGRAM — TUNER SECTION —  
(D570 : US, CND/N355 : E, MX, PX, AUS, AR/N355K : E, SP, MY, TH, IA MODELS)

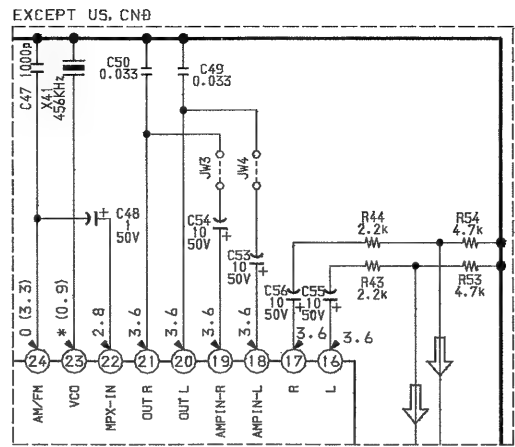


A MAIN BOARD CN703 (Page 57)

5-9. PRINTED WIRING BOARD — TUNER SECTION —  
(D570 : US, CND/N355 : E, MX, PX, AUS, AR/N355K : E, SP, MY, TH, IA MODELS)  
• See page 18 for Circuit Boards Location.



A MAIN BOARD CN703 (Page 55)



Semiconductor Location	
Ref. No.	Location
D1	F-2
D2	E-3
IC1	F-3
IC2	C-3
Q1	E-2
Q2	E-3
Q3	D-2
Q4	D-2
Q5	D-3

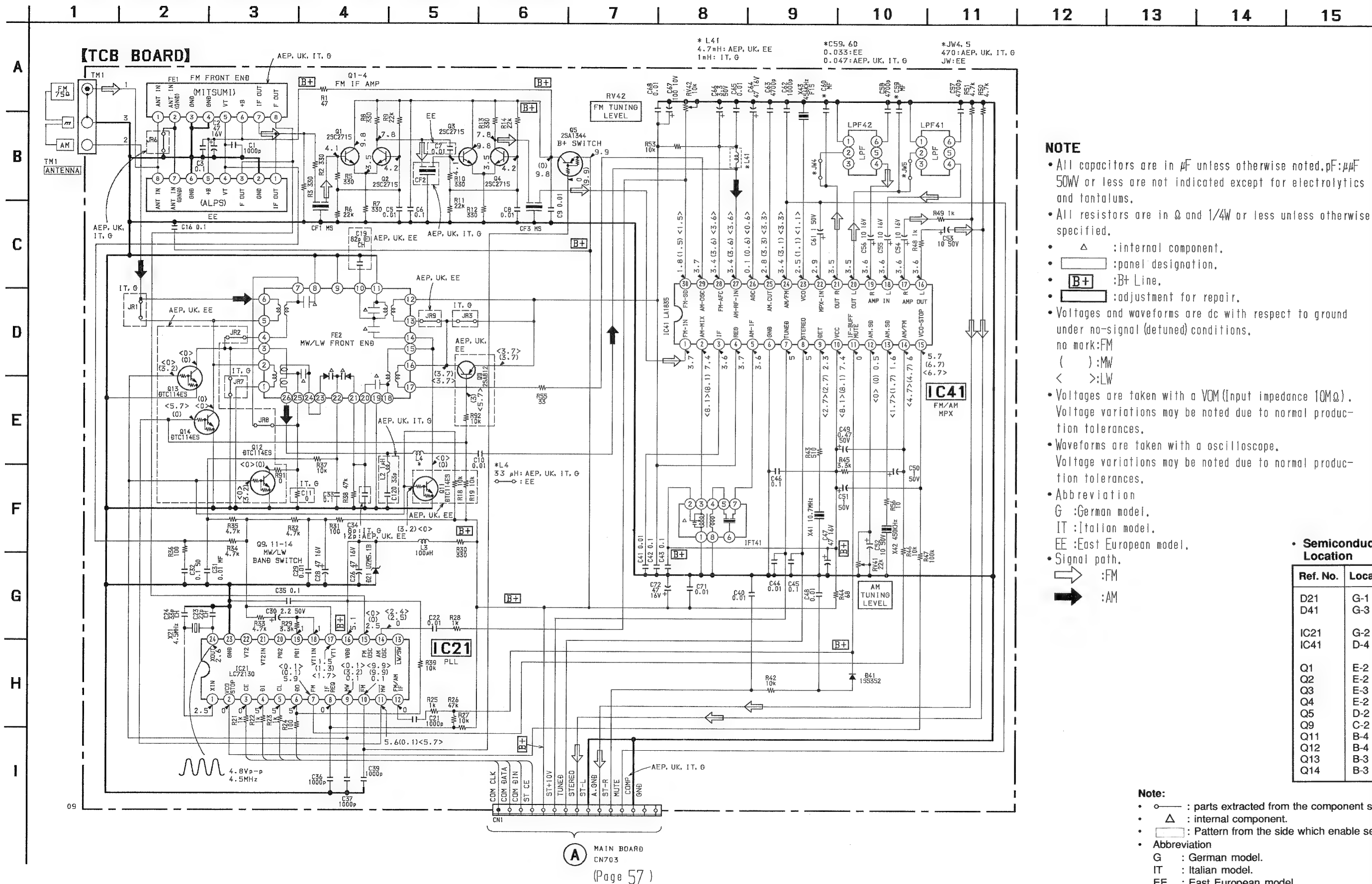
- NOTE**
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$  :  $\mu\text{F}$  50W or less are not indicated except for electrolytics and tantalums.
  - All resistors are in  $\Omega$  and  $1/4\text{W}$  or less unless otherwise specified.
  - $\Delta$  : internal component.
  - $\square$  : panel designation.
  - $\text{B+}$  : B+ Line.
  - $\square$  : adjustment for repair.
  - Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.  
no mark: FM  
( ) : AM
  - \* : can not be measured.
  - Voltages are taken with a VOM (Input impedance  $10\text{M}\Omega$ ). Voltage variations may be noted due to normal production tolerances.
  - Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
  - Abbreviation  
CND: Canadian model. AUS: Australian model.  
MX : Mexican model. AR : Argentine model.  
SP : Singapore model. TH : Thailand model.  
MY : Malaysia model. IA : Indonesian model.

- Signal path.  
 $\rightarrow$  : FM  
 $\rightarrow$  : AM
- Note:**
- $\circ$  : parts extracted from the component side.
  - $\Delta$  : internal component.
  - $\square$  : Pattern from the side which enable seeing.
  - Abbreviation  
CND : Canadian model.  
MX : Mexican model.  
SP : Singapore model.  
MY : Malaysia model.  
AUS : Australian model.  
AR : Argentine model.  
TH : Thailand model.  
IA : Indonesian model.

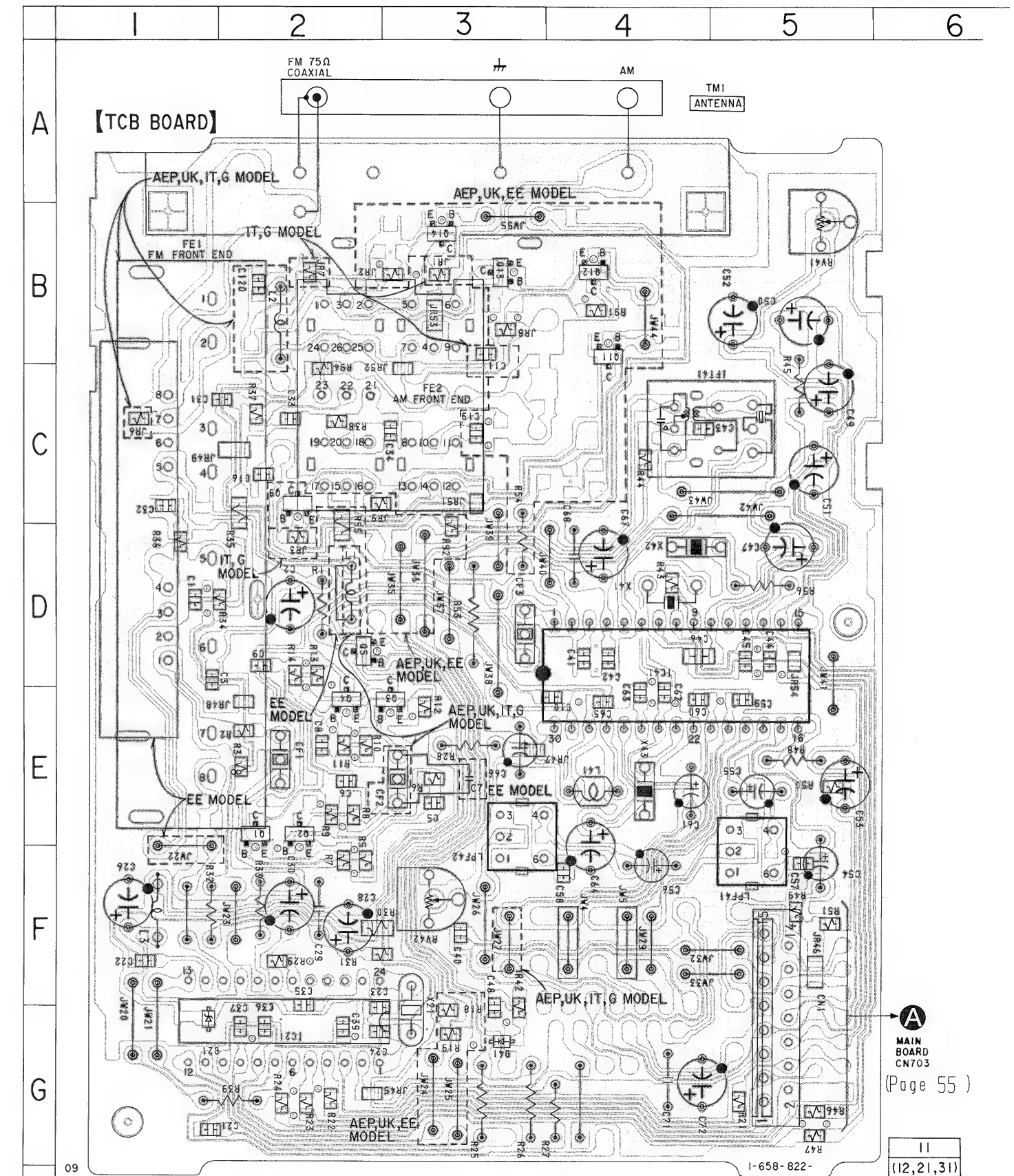




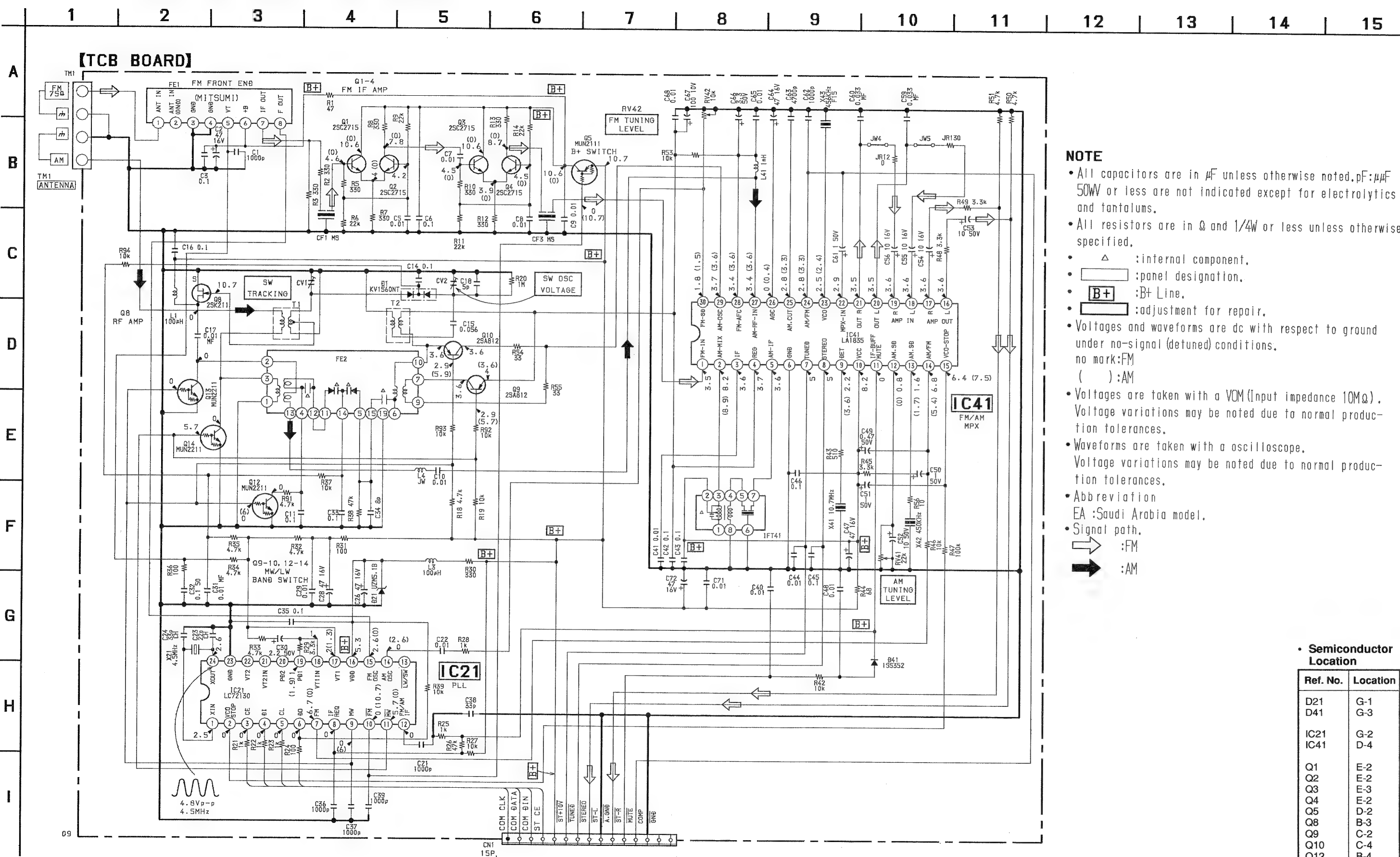
5-10. SCHEMATIC DIAGRAM — TUNER SECTION — (N355 : AEP, UK, G, IT, EE MODELS)



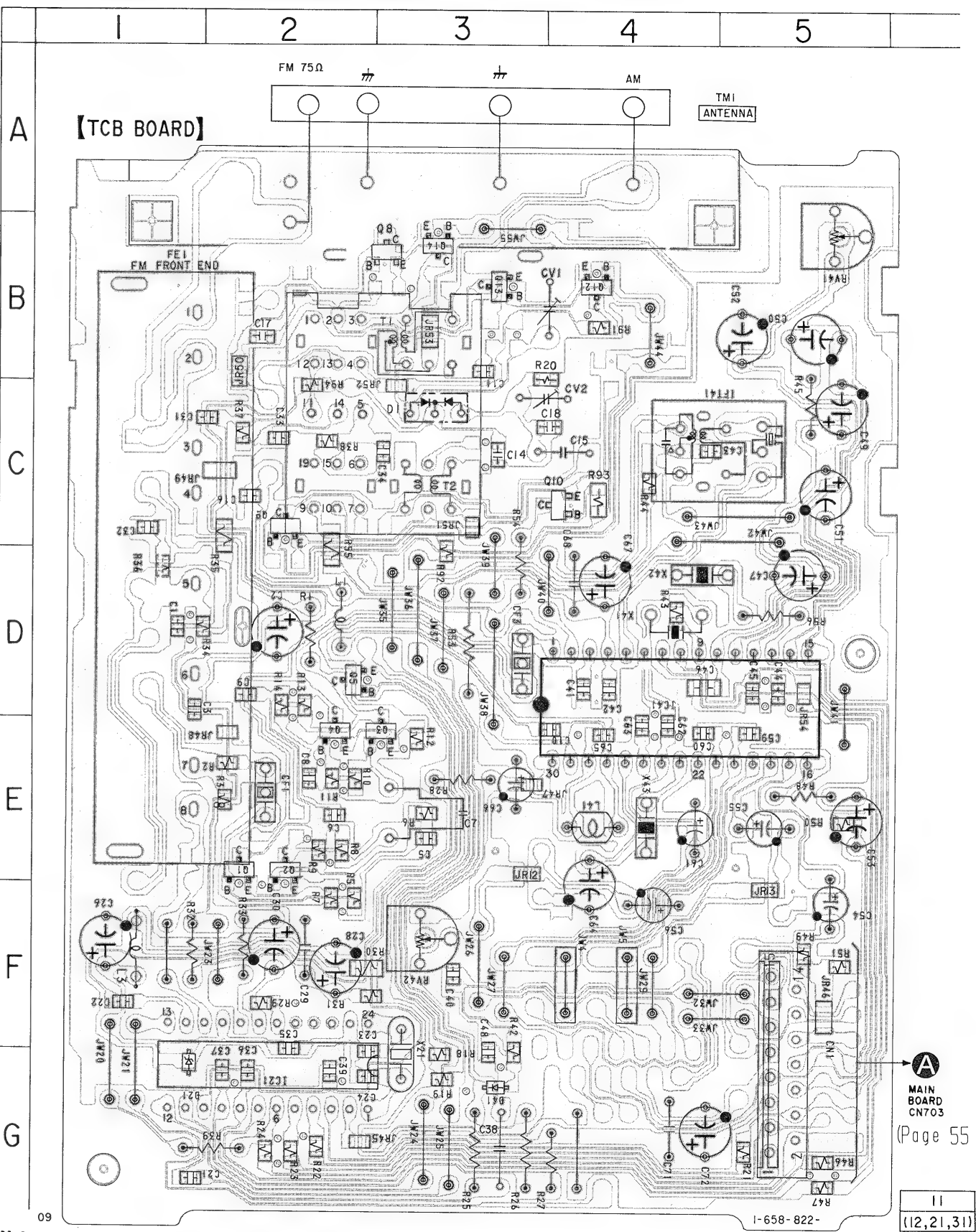
5-11. PRINTED WIRING BOARD — TUNER SECTION — (N355 : AEP, UK, G, IT, EE MODELS)  
• See page 18 for Circuit Boards Location.



5-12. SCHEMATIC DIAGRAM — TUNER SECTION — (N355K : EA MODEL)



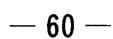
5-13. PRINTED WIRING BOARD — TUNER SECTION — (N355K : EA MODEL)  
• See page 18 for Circuit Boards Location.





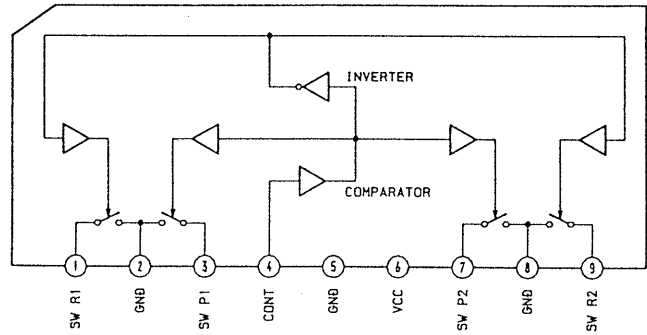




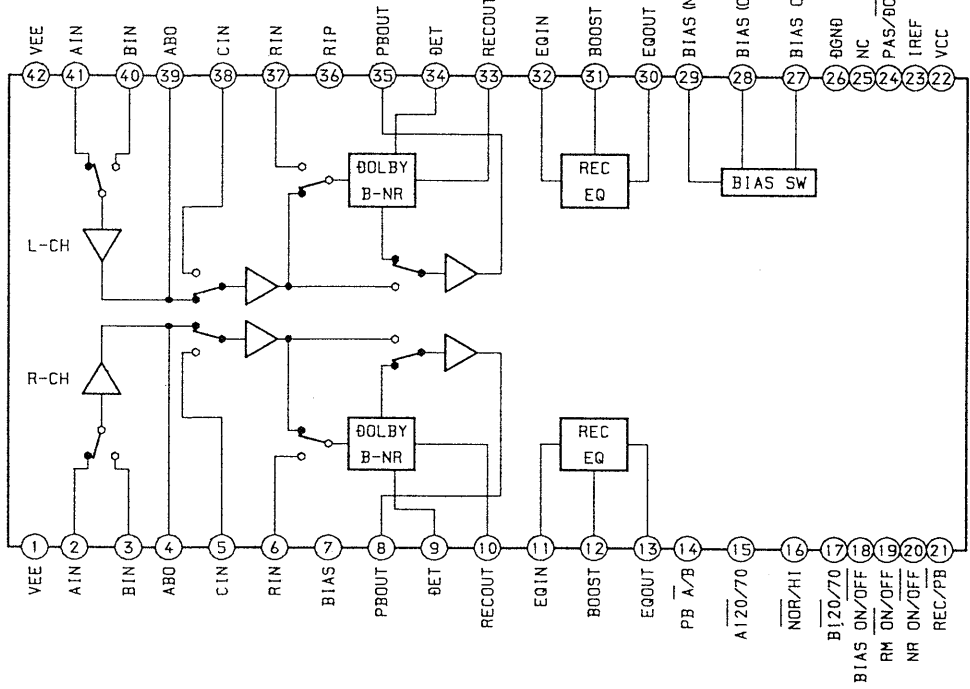


• IC Block Diagrams

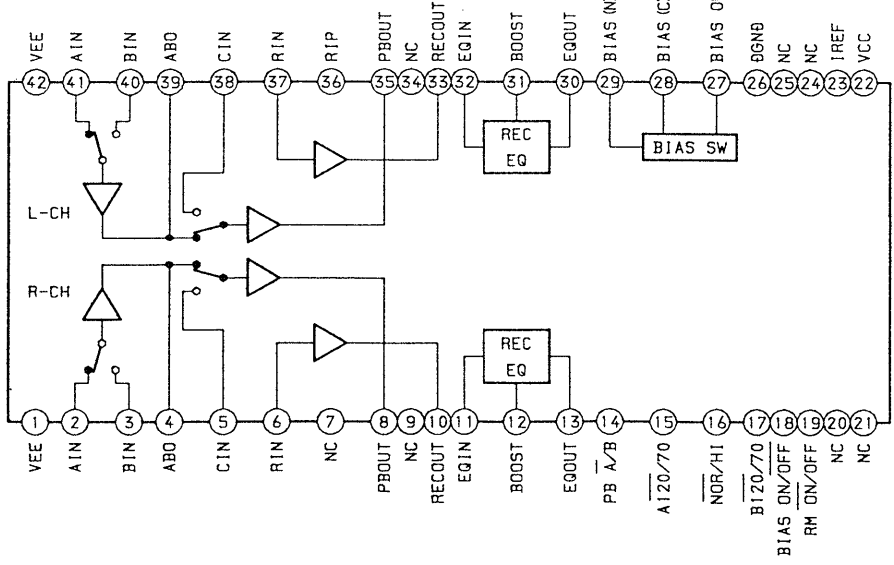
IC602  $\mu$ PC1330HA



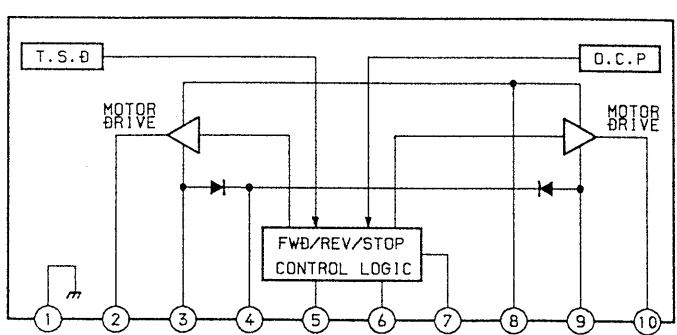
IC401 HA12195T



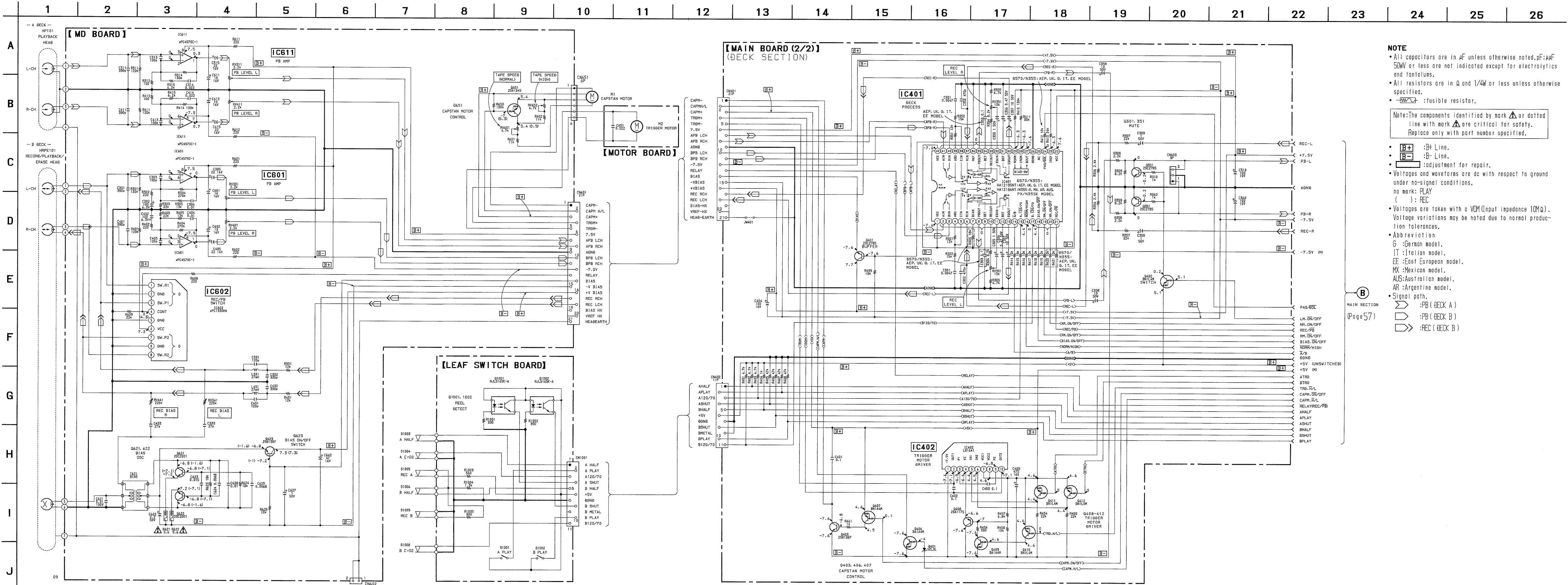
IC401 HA12196T



IC402 LB1641



5-16. SCHEMATIC DIAGRAM — DECK SECTION — • See page 54 for Printed wiring Board. (MAIN BOARD)



**NOTE**

- All capacitors are in  $\mu$ F unless otherwise noted.  $\mu$ F:  $\mu$ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $1/4$ W or less unless otherwise specified.
- $\text{---}\square\text{---}$ : fusible resistor.

Note: The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

- $\text{---}\square\text{---}$ : B+ Line.
- $\text{---}\square\text{---}$ : B- Line.
- $\text{---}\square\text{---}$ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
- Abbreviation:
  - G : German model.
  - IT : Italian model.
  - EE : East European model.
  - MX : Mexican model.
  - AUS : Australian model.
  - AR : Argentine model.
- Signal path:
  - $\text{---}\square\text{---}$  : PB (DECK A)
  - $\text{---}\square\text{---}$  : PB (DECK B)
  - $\text{---}\square\text{---}$  : REC (DECK B)







5-20. PRINTED WIRING BOARD — PANEL SECTION —  
• See page 18 for Circuit Boards Location.

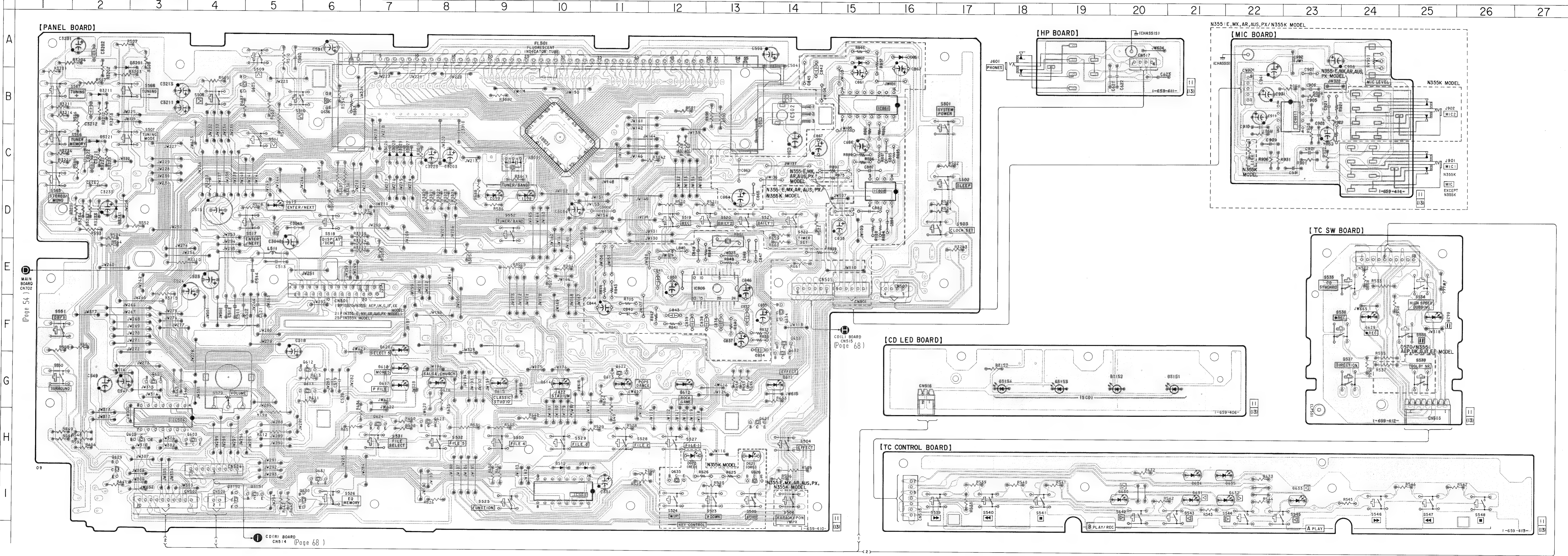
Semiconductor Location	
Ref. No.	Location
D503	F-5
D511	H-10
D512	H-10
D601	D-9
D602	D-9
D611	G-14
D612	G-12
D613	G-11
D614	G-10
D615	G-9
D616	G-8
D617	G-7
D618	G-7
D619	D-5
D620	F-7
D621	H-13
D622	H-12
D628	F-25
D629	F-24
D630	I-20
D631	I-21
D632	I-22
D633	I-23
D634	I-21
D635	I-22
D861	A-16
D862	A-15
D3026	C-7
D3027	C-7
D3028	C-7
D3029	C-7
D3151	G-21
D3152	G-20
D3153	G-19
D3154	G-18
D3201	A-3
D3211	B-2
D3221	C-2
D3231	D-2
IC501	C-10
IC502	B-14
IC503	I-10
IC504	H-3
IC806	E-13
IC808	D-16
IC861	B-15
IC901	B-23
Q601	G-3
Q603	H-4
Q605	H-3
Q611	G-6
Q612	G-6
Q621	H-14
Q622	G-11
Q623	H-8
Q624	H-7
Q625	B-5
Q626	I-13
Q629	H-2
Q630	I-6
Q631	I-6
Q632	F-14
Q633	F-14
Q634	F-14
Q635	I-12
Q636	B-6
Q3141	E-16
Q3151	I-5
Q3152	I-4

**Note:**

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : internal component.
- △ : Pattern from the side which enable seeing.

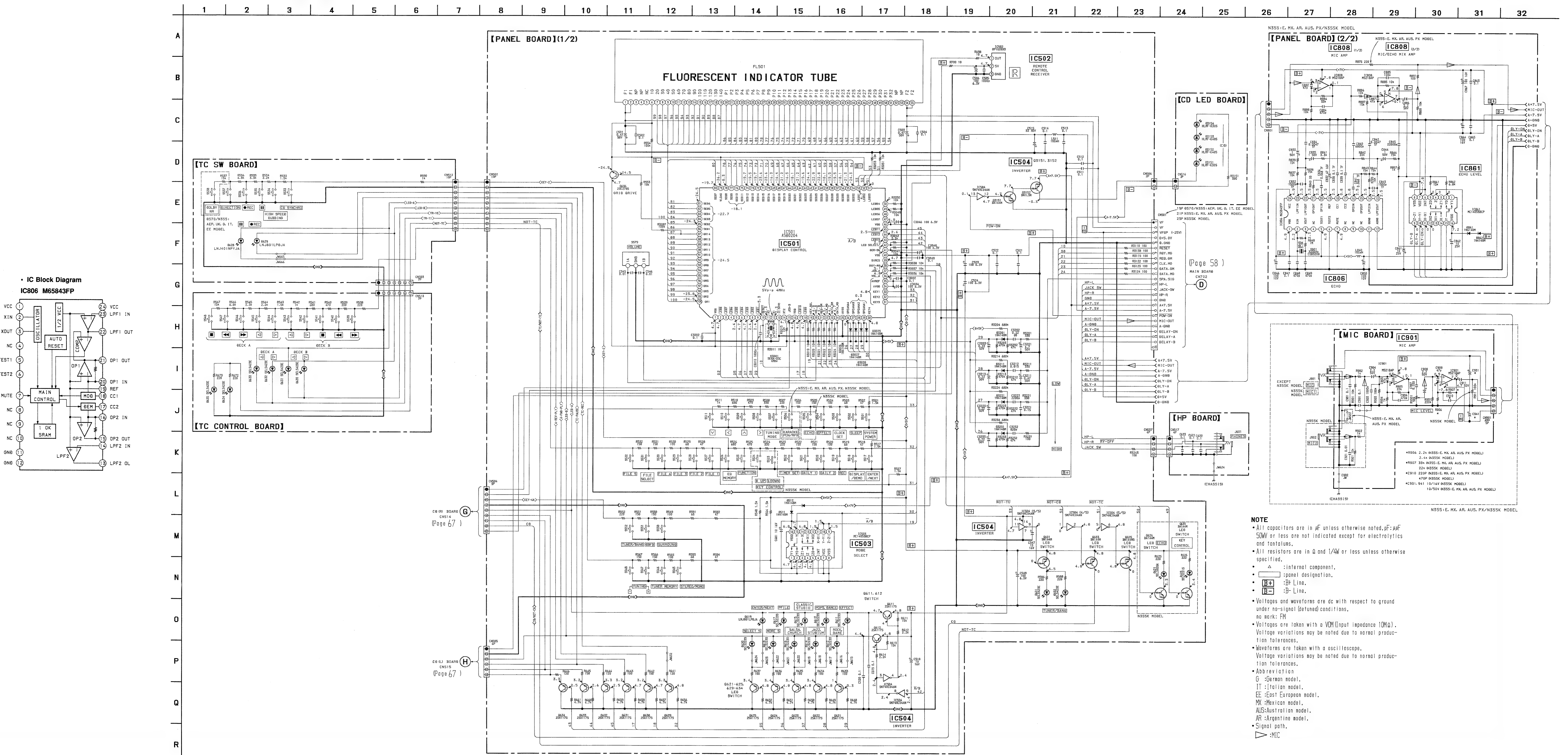
**Abbreviation**

- G : German model.
- IT : Italian model.
- EE : East European model.
- EA : Saudi Arabia model.
- MX : Mexican model.
- SP : Singapore model.
- MY : Malaysia model.
- AUS : Australian model.
- AR : Argentine model.
- TH : Thailand model.
- IA : Indonesian model.

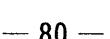




5-21. SCHEMATIC DIAGRAM — PANEL SECTION —  
• See page 19 for IC Pin Function. (IC501)









## SECTION 6 EXPLODED VIEWS


### NOTE:

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

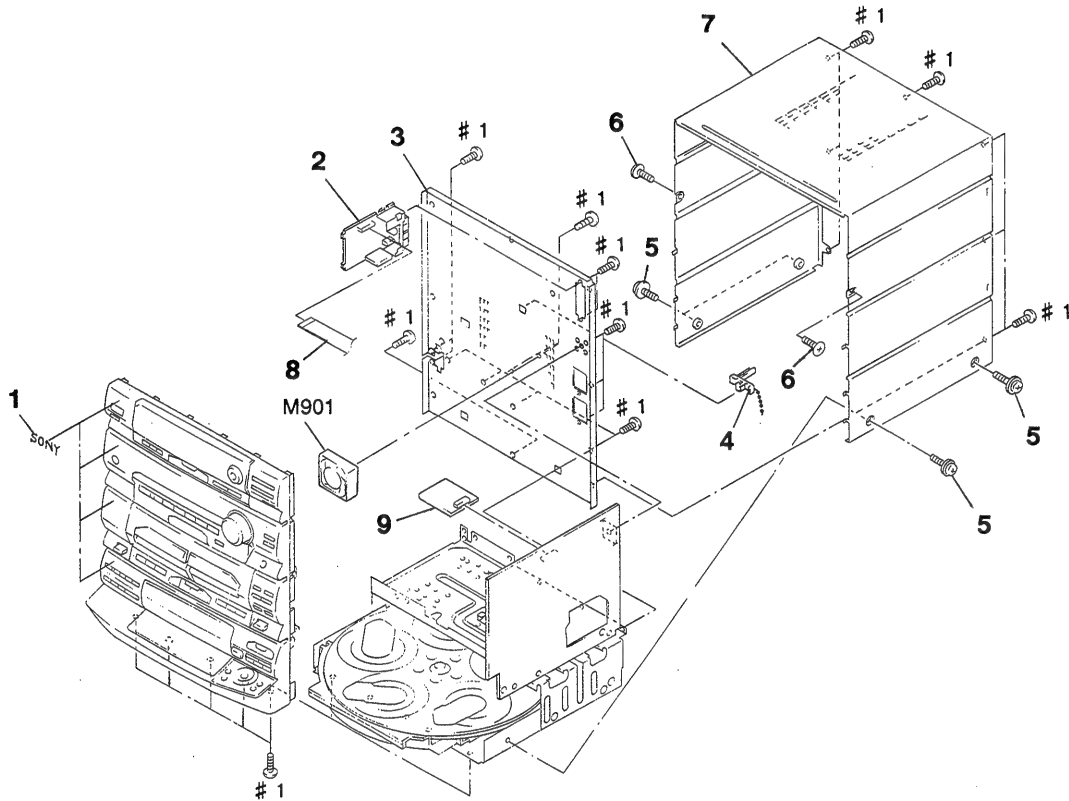
### • Abbreviation

CND : Canadian model  
G : German model  
IT : Italian model  
EE : East European model  
EA : Saudi Arabia model  
MX : Mexican model  
SP : Singapore model  
MY : Malaysia model  
AUS : Australian model  
AR : Argentine model  
TH : Thailand model  
IA : Indonesian model

The components identified by mark  or dotted line with mark  are critical for safety.  
Replace only with part number specified.

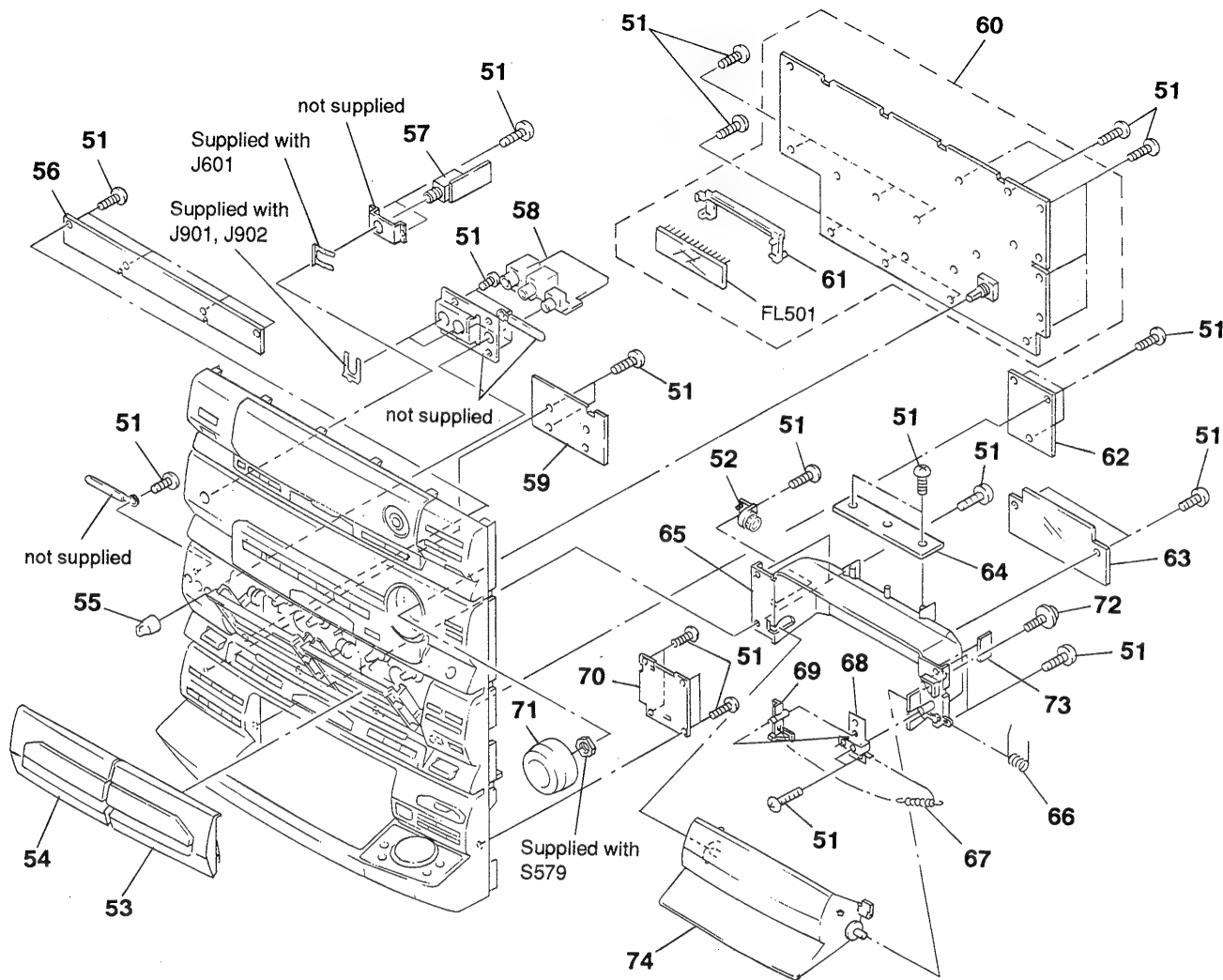
Les composants identifiés par une marque  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

### 6-1. CASE AND BACK PANEL SECTION



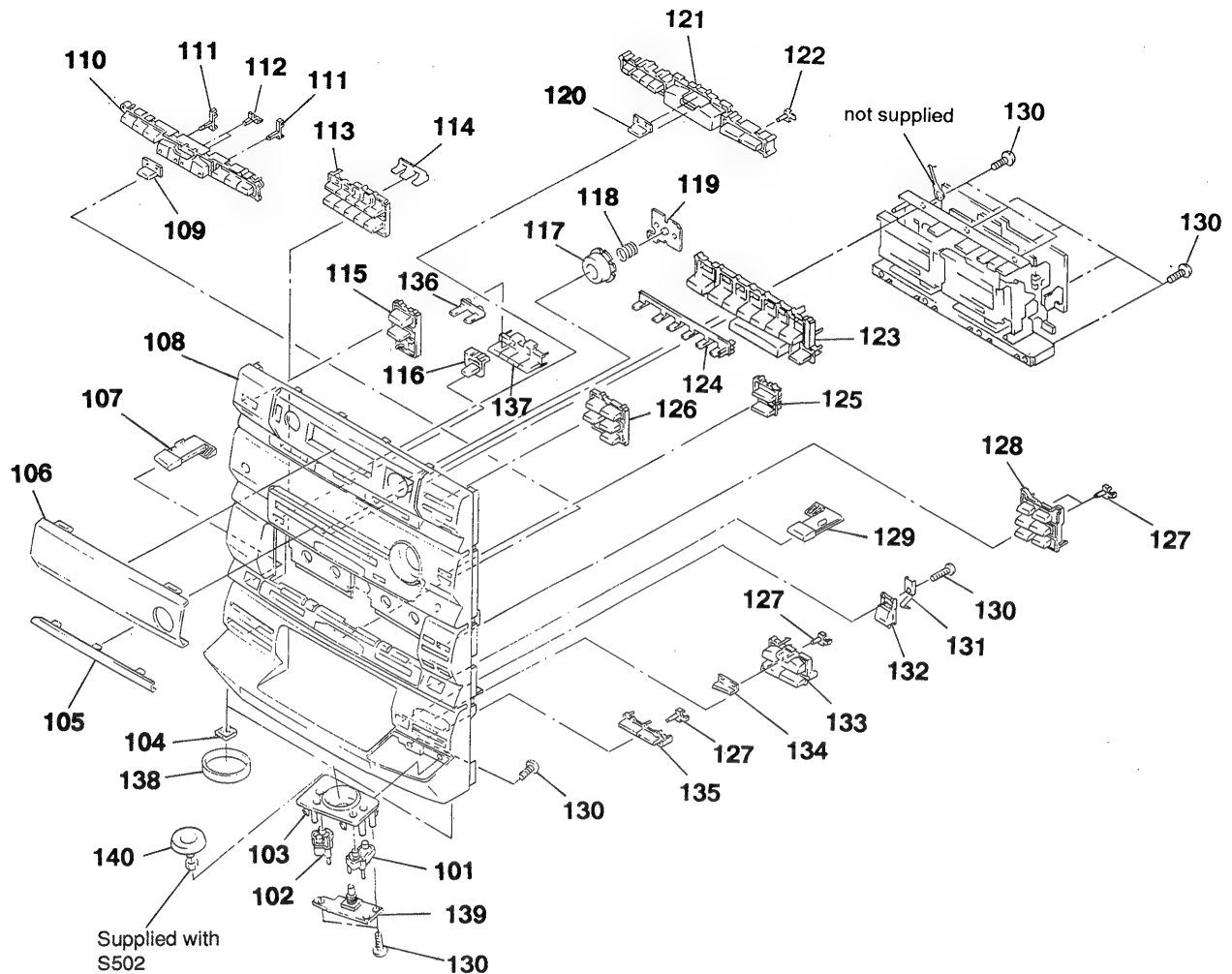
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-963-404-21	EMBLEM (5-A), SONY		* 3	4-978-190-21	PANEL, BACK (N355:AUS)	
* 2	A-4303-502-A	TCB BOARD, COMPLETE (N355:AEP, UK)		* 3	4-978-190-31	PANEL, BACK (N355:PX)	
* 2	A-4303-503-A	TCB BOARD, COMPLETE (N355:IT, G)		* 3	4-978-190-41	PANEL, BACK (N355:MX)	
* 2	A-4303-504-A	TCB BOARD, COMPLETE (N355:EE)		* 3	4-978-190-51	PANEL, BACK (N355K:E, IA)	
* 2	A-4303-507-A	TCB BOARD, COMPLETE (N355K:EA)		* 3	4-978-190-61	PANEL, BACK (N355K:EA)	
* 2	A-4303-510-A	TCB BOARD, COMPLETE (D570)		* 3	4-978-190-71	PANEL, BACK (N355K:SP2)	
* 2	A-4303-513-A	TCB BOARD, COMPLETE (N355:E, AUS, PX, MX, AR/N355K:E, SP, IA)		* 3	4-978-190-81	PANEL, BACK (N355K:SP4)	
* 2	A-4303-525-A	TCB BOARD, COMPLETE (N355K:MY)		* 3	4-978-190-91	PANEL, BACK (N355K:MY, TH)	
* 2	A-4303-555-A	TCB BOARD, COMPLETE (N355K:TH)		4	4-956-370-12	BAND, PLUG FIXED (N355:AUS, UK)	
* 3	4-978-189-01	PANEL, BACK (N355:AEP)		5	4-929-973-01	SCREW (CASE, 3 POINT)	
* 3	4-978-189-11	PANEL, BACK (N355:G)		6	3-363-099-01	SCREW (CASE 3 TP2)	
* 3	4-978-189-21	PANEL, BACK (N355:IT)		* 7	4-978-177-11	CASE	
* 3	4-978-189-31	PANEL, BACK (N355:UK)		8	1-751-086-11	WIRE (FLAT TYPE) (13 CORE) (EXCEPT N355:AEP, UK, G, IT, EE)	
* 3	4-978-189-51	PANEL, BACK (N355:EE)		8	1-773-012-11	WIRE (FLAT TYPE) (15 CORE) (N355:AEP, UK, G, IT, EE)	
* 3	4-978-189-61	PANEL, BACK (D570:US)		* 9	A-4389-020-A	KEYCON BOARD, COMPLETE (N355K)	
* 3	4-978-189-71	PANEL, BACK (D570:CND)		M901	1-698-659-11	FAN, DC (D570)	
* 3	4-978-190-01	PANEL, BACK (N355:E)					
* 3	4-978-190-11	PANEL, BACK (N355:AR)					

## 6-2. PANEL BOARD SECTION



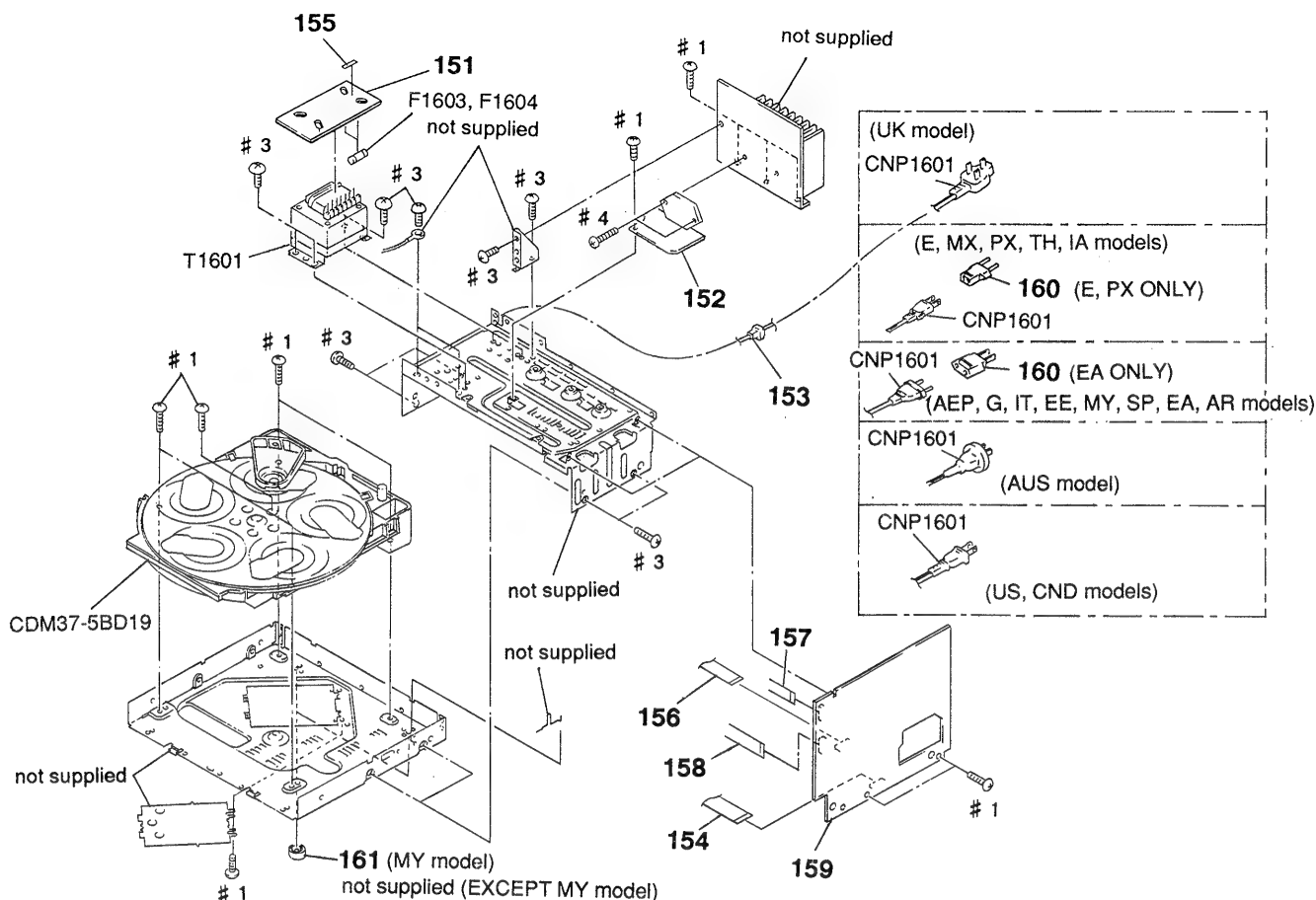
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-951-620-01	SCREW (2.6X8), +BVTP		61	4-971-014-11	HOLDER, FL TUBE	
52	3-354-963-21	DAMPER		* 62	1-659-412-11	TC SW BOARD	
53	X-4946-636-1	LID (B) ASSY, CASSETTE		63	4-980-060-01	INDICATOR (COVER)	
54	X-4946-635-1	LID (A) ASSY, CASSETTE		* 64	1-659-406-11	CD LED BOARD	
55	4-973-644-01	KNOB (MIC) (N355:E, MX, AR, AUS, PX/N355K)		65	4-978-140-11	COVER (CD)	
* 56	1-659-413-11	TC CONTROL BOARD		66	4-978-171-01	SPRING, TORSION	
* 57	1-659-411-11	HP BOARD		67	4-978-170-01	SPRING, TENSION	
* 58	1-659-414-11	MIC BOARD (N355:E, MX, AR, AUS, PX/N355K)		* 68	4-978-169-01	BRACKET (OPEN)	
* 59	1-659-404-11	CD (L) BOARD		69	4-978-141-01	LEVER, LOCK	
* 60	A-4389-673-A	PANEL BOARD, COMPLETE (D570/N355:AEP, UK, G, IT, EE)		* 70	1-659-409-11	CD (R) BOARD	
* 60	A-4389-678-A	PANEL BOARD, COMPLETE (N355:E, MX, AR, AUS, PX)		71	4-978-142-01	KNOB (V)	
* 60	A-4390-148-A	PANEL BOARD, COMPLETE (N355K:MY)		72	4-957-577-01	SCREW +PTPWH (2.6X8)	
* 60	A-4390-155-A	PANEL BOARD, COMPLETE (N355K:E, EA, SP, IA)		* 73	1-659-408-11	DOOR SW BOARD	
* 60	A-4390-205-A	PANEL BOARD, COMPLETE (N355K:TH)		74	4-978-139-01	LID, DISC	
				FL501	1-517-490-21	INDICATOR TUBE, FLUORESCENT	

### 6-3. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-978-153-01	BUTTON (PROGRAM)		121	4-978-121-11	BUTTON (BAND)	
102	4-978-712-01	BUTTON (SHUFFLE)		122	4-978-136-01	INDICATOR (ENTER)	
103	4-978-155-01	PLATE, ORNAMENTAL		123	4-978-123-01	BUTTON (FU)	
104	4-948-236-01	CUSHION (107)		124	4-978-681-01	INDICATOR (SE5)	
105	4-978-134-11	DISPLAY (TA) (N355K)		125	4-978-122-01	BUTTON (DBFB)	
105	4-978-134-21	DISPLAY (TA) (D570/N355)		126	4-978-120-01	BUTTON (TUNING)	
106	4-978-131-01	DISPLAY (ST)		127	4-978-161-01	INDICATOR (PAUSE)	
107	4-978-146-01	BUTTON (EJECT-L)		128	4-978-144-01	BUTTON (DUBBING)	
108	4-978-114-01	PANEL, FRONT (N355:AEP, UK, G, IT, EE)		128	4-978-144-11	BUTTON (DUBBING)	(D570/N355:AEP, UK, G, IT, EE)
108	4-978-114-11	PANEL, FRONT (N355:E, MX, AR, AUS, PX)		129	4-978-147-01	BUTTON (EJECT-R)	
108	4-978-114-21	PANEL, FRONT (N355K)		130	4-951-620-01	SCREW (2. 6X8), +BVTP	
108	4-978-114-31	PANEL, FRONT (D570)		131	4-980-061-01	SPRING (OPEN)	
109	4-978-157-01	INDICATOR (TC)		132	4-978-130-01	BUTTON (OPEN)	
110	4-978-145-01	BUTTON (TC)		133	4-978-128-01	BUTTON (PLAY)	
111	4-978-159-01	INDICATOR (REV)		134	4-978-137-01	INDICATOR (PLAY)	
112	4-978-158-01	INDICATOR (FWD)		135	4-978-152-01	BUTTON (AUTO)	
113	4-978-127-11	BUTTON (DISC 5)		136	4-978-156-01	INDICATOR (KARAOKE) (N355K)	
114	4-978-160-01	INDICATOR (CLIP)		137	4-978-150-01	BUTTON (KARAOKE) (N355K)	
115	4-978-118-01	BUTTON (POWER)		138	4-921-918-11	PLATE, ORNAMENTAL	
116	4-978-151-01	BUTTON (PON) (N355:E, MX, AR, AUS, PX)		* 139	1-659-405-11	CD JOG BOARD	
117	4-978-119-01	BUTTON (CURSOR)		140	4-978-154-01	KNOB (DISC)	
118	4-978-683-01	SPRING, COMPRESSION					
119	4-978-682-01	COVER (CURSOR)					
120	4-978-135-01	INDICATOR (BAND)					

## 6-4. CHASSIS SECTION

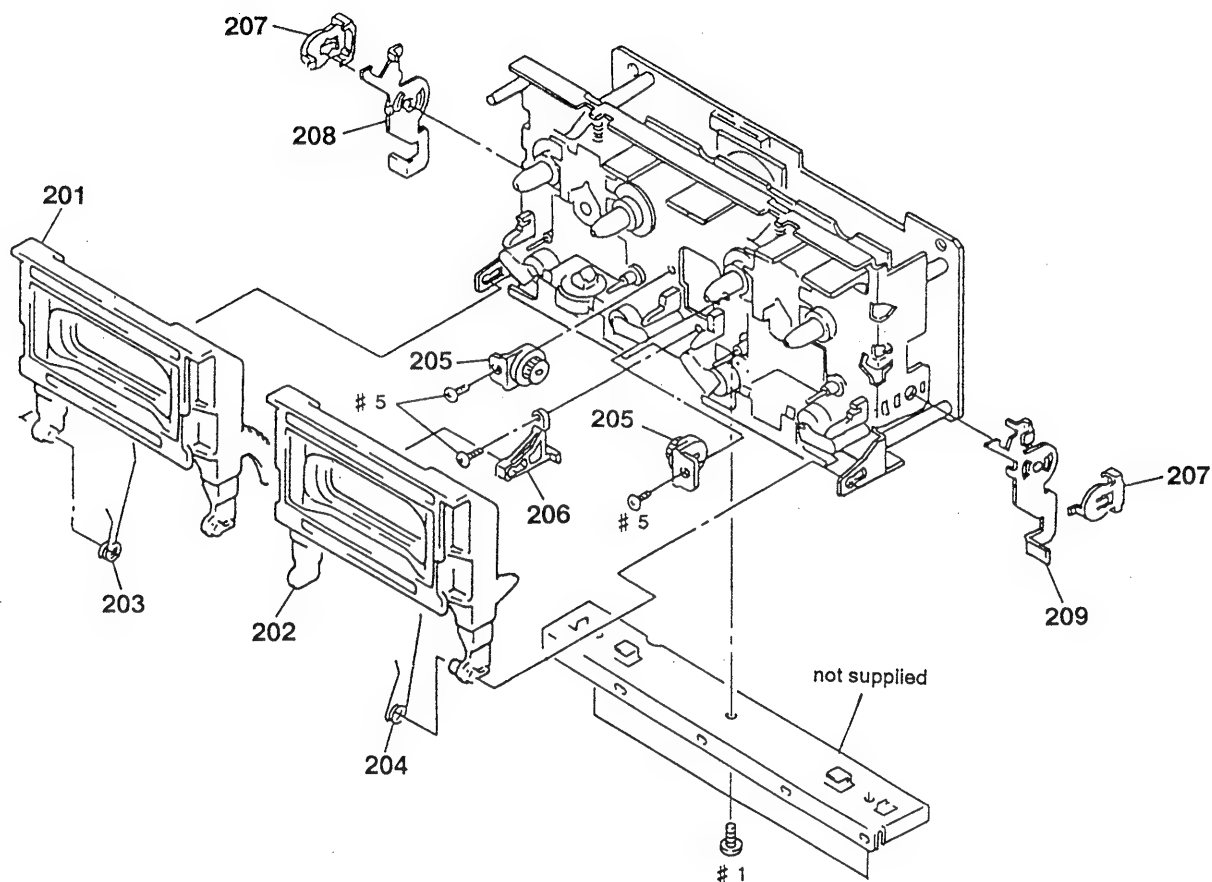


The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

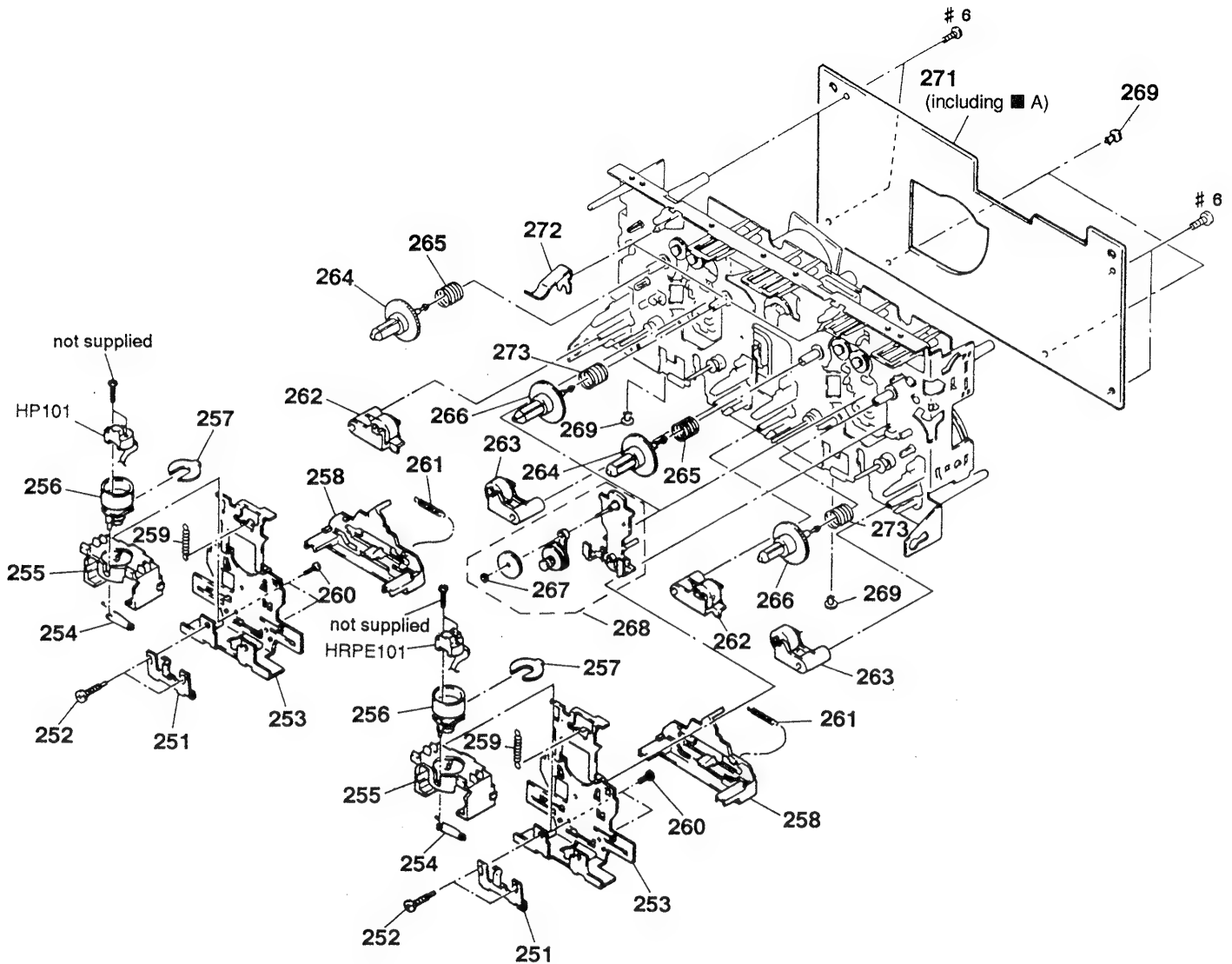
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 151	1-659-218-11	TRANS BOARD		* 159	A-4389-666-A	MAIN BOARD, COMPLETE (D570)	
* 152	A-4378-988-A	POWER AMP BOARD, COMPLETE (N355:AEP, UK, G, IT, EE)		* 159	A-4390-150-A	MAIN BOARD, COMPLETE (N355K:MY)	
* 152	A-4378-998-A	POWER AMP BOARD, COMPLETE (N355:E, MX, AR, AUS, PX/N355K:E, EA, SP, IA)		* 159	A-4390-158-A	MAIN BOARD, COMPLETE (N355K:EA)	
* 152	A-4389-671-A	POWER AMP BOARD, COMPLETE (D570:US, CND)		* 159	A-4390-207-A	MAIN BOARD, COMPLETE (N355K:TH)	
* 152	A-4390-149-A	POWER AMP BOARD, COMPLETE (N355K:MY)		△160	1-569-007-11	ADAPTER, CONVERSION 2P (N355:PX/N355K:E)	
				△160	1-569-008-21	ADAPTER, CONVERSION 2P (N355K:EA)	
* 152	A-4390-206-A	POWER AMP BOARD, COMPLETE (N355K:TH)		△CNP16011-555-750-00	CORD, POWER (N355:AR/N355K:EA)		
* 153	3-703-244-00	BUSHING (2104), CORD (D570/N355:AEP, UK, G, IT, EE, AR, AUS/N355K:EA, MY, SP)		△CNP16011-558-943-51	CORD, POWER (N355:E, MX, PX/N355K:E, IA)		
* 153	4-966-266-01	BUSHING (S) (FBS002), CORD (N355:E, MX, PX/N355K:E, TH, IA)		△CNP16011-575-042-21	CORD, POWER (D570)		
154	1-776-238-11	WIRE (FLAT TYPE) (19 CORE)		△CNP16011-575-651-21	CORD, POWER (N355:AEP, G, IT, EE/N355K:MY, SP)		
* 155	3-701-946-27	LABEL, FUSE RATING (D570)		△CNP16011-696-966-11	CORD, POWER (N355:AUS)		
156	1-590-218-11	WIRE (FLAT TYPE) (11 CORE)		△CNP16011-751-326-11	CORD, POWER (N355K:TH)		
157	1-765-338-11	WIRE (FLAT TYPE) (21 CORE)		△CNP16011-751-529-11	CORD, POWER (N355:UK)		
158	1-773-119-11	WIRE (FLAT TYPE) (19 CORE) (D570/N355:AEP, UK, G, IT, EE)		△F1603	1-532-350-00	FUSE, TIME LAG (T4A/250V) (N355:E, MX, AR, PX/N355K:E, EA, SP, IA)	
158	1-773-154-11	WIRE (FLAT TYPE) (21 CORE) (N355:E, MX, AR, AUS, PX)		△F1603	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (5A/125V) (D570)	
158	1-773-220-11	WIRE (FLAT TYPE) (25 CORE) (N355K)		△F1604	1-532-259-00	FUSE, TIME LAG (T1.6A/250V) (N355:AEP, UK, G, IT, EE, E, AR, AUS, PX/N355K)	
* 159	A-4378-981-A	MAIN BOARD, COMPLETE (N355:AEP, UK, G, IT, EE)		△T1601	1-429-335-11	TRANSFORMER, POWER (N355:AEP, UK, G, IT, EE)	
* 159	A-4378-993-A	MAIN BOARD, COMPLETE (N355:E, MX, AR, AUS, PX)		△T1601	1-429-336-11	TRANSFORMER, POWER (N355:E, MX, AR, AUS, PX/N355K)	
* 159	A-4389-002-A	MAIN BOARD, COMPLETE (N355K:E, SP, IA)		△T1601	1-429-337-11	TRANSFORMER, POWER (D570)	

6-5. TC MECHANISM SECTION 1  
(TCM-220WR2E)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 201	A-4384-062-A	HOLDER (L) ASSY, CASSETTE (N355K:TH)		203	4-959-231-11	SPRING (L), TORSION	
201	X-4943-776-1	HOLDER (L) ASSY, CASSETTE (D570/N355/N355K:E, EA, SP)		204	4-959-232-11	SPRING (R), TORSION	
201	X-4945-690-1	HOLDER (L) ASSY, CASSETTE (N355K:MY)		205	3-354-963-01	DAMPER	
* 202	A-4384-063-A	HOLDER (R) ASSY, CASSETTE (N355K:TH)		* 206	3-908-611-01	FULCRUM, HOLDER	
202	X-4943-775-1	HOLDER (R) ASSY, CASSETTE (D570/N355/N355K:E, EA, SP)		207	3-354-957-01	JOINT (LOCK LEVER)	
202	X-4945-691-1	HOLDER (R) ASSY, CASSETTE (N355K:MY)		* 208	3-354-953-01	LEVER (LOCK LEVER L)	
				* 209	3-354-954-01	LEVER (LOCK LEVER R)	

**6-6. TC MECHANISM SECTION 2**  
**(TCM-220WR2E)**

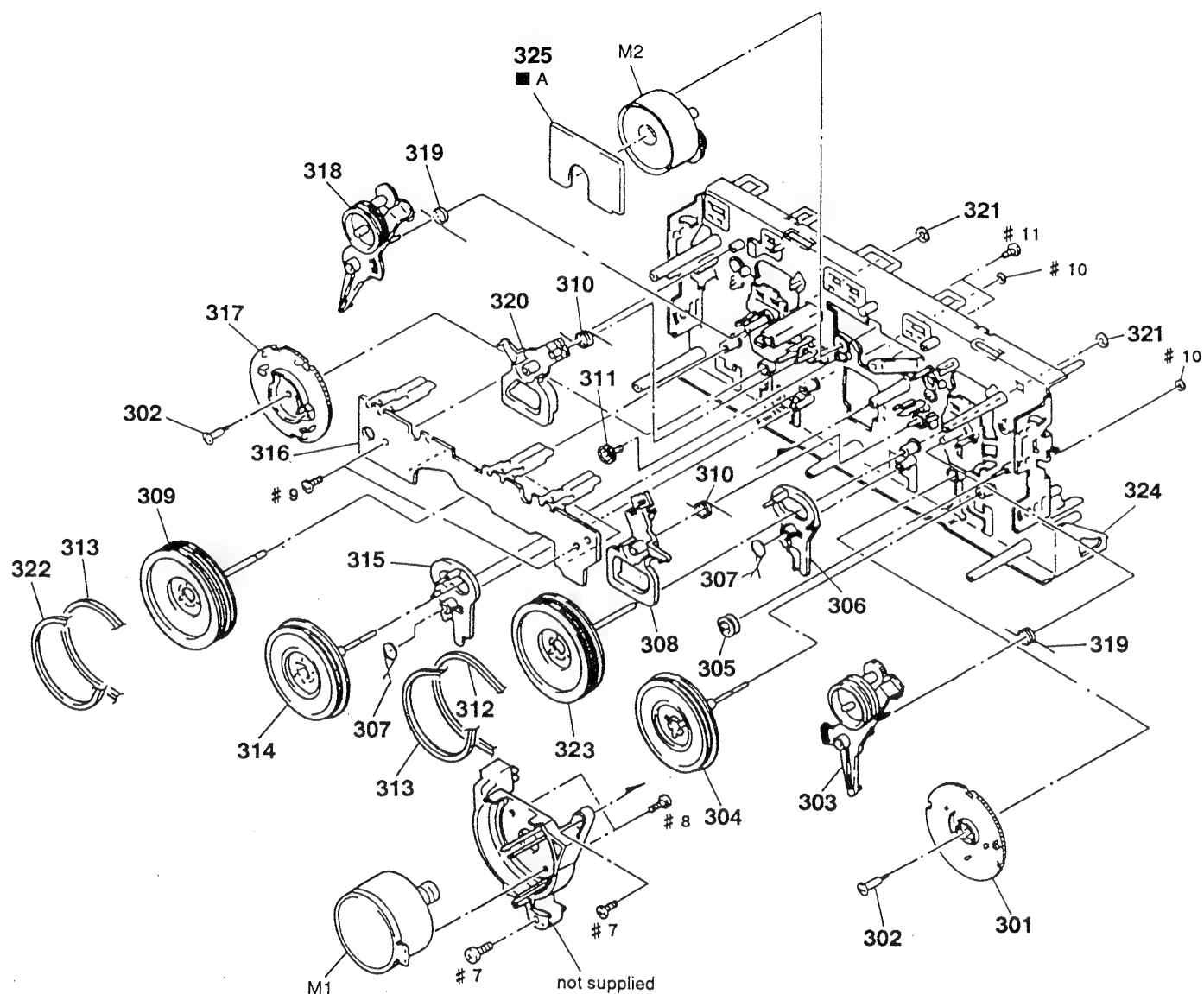


Ref. No.	Part No.	Description
251	3-908-560-01	SPRING, AZIMUTH ADJUSTMENT
252	3-919-684-01	SCREW, AZIMUTH ADJUSTMENT
* 253	X-3367-584-2	SLIDER (HEAD) ASSY
254	3-908-556-01	SPRING, HEAD TOGGLE
255	3-908-558-02	FITTING BLOCK, HEAD
256	3-908-557-02	ROTARY BLOCK, HEAD
* 257	3-908-559-01	STOPPER, AZIMUTH
258	3-908-555-01	SLIDER (REV SLIDER)
259	3-917-143-11	SPRING, TENSION
260	3-388-848-01	SCREW (P2X6) (B TIGHT)
261	3-911-113-01	SPRING, TENSION
262	X-3370-643-1	PINCH LEVER (REV) ASSY

Ref. No.	Part No.	Description	Remark
263	X-3367-588-1	PINCH LEVER (FWD) ASSY	
264	3-908-613-01	GEAR (S), REEL	
265	3-917-141-01	SPRING, COMPRESSION	
266	X-3371-305-1	REEL (T) ASSY	
267	3-669-465-01	WASHER (1.5), STOPPER	
268	X-3370-173-1	TU ASSY	
269	3-911-116-21	RIVET, PUSH	
* 271	A-2007-435-A	MD BOARD, COMPLETE	
272	3-930-972-01	DETENT, HALF	
273	3-917-142-01	SPRING, COMPRESSION	
HP101	1-500-093-11	HEAD, MAGNETIC (PLAYBACK)	
HRPE101	1-500-094-11	HEAD, MAGNETIC (REC/PB/ERASE)	

## 6-7. TC MECHANISM SECTION 3 (TCM-220WR2E)

■ A: MOTOR board (Supplied with MD board.)



Ref. No.	Part No.	Description
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301	3-908-597-01	CAM (A)
302	3-908-608-11	SCREW, STEP
303	X-3367-590-2	ARM (A) ASSY, FR
304	X-3370-169-1	FLYWHEEL (AR) ASSY
305	3-928-047-01	PULLEY, TENSION
306	3-908-599-01	LEVER (REV-A)
307	3-908-601-01	SPRING (REV LEVER), TORSION
308	3-908-603-01	LEVER (TRIGGER A)
309	X-3370-170-1	FLYWHEEL (BF) ASSY
310	3-908-605-01	SPRING (TRIGGER), TORSION
311	3-908-609-01	GEAR, TRIGGER
312	3-913-845-11	BELT (A)
313	3-913-846-11	BELT (FR)
314	X-3370-171-1	FLYWHEEL (BR) ASSY

Remark

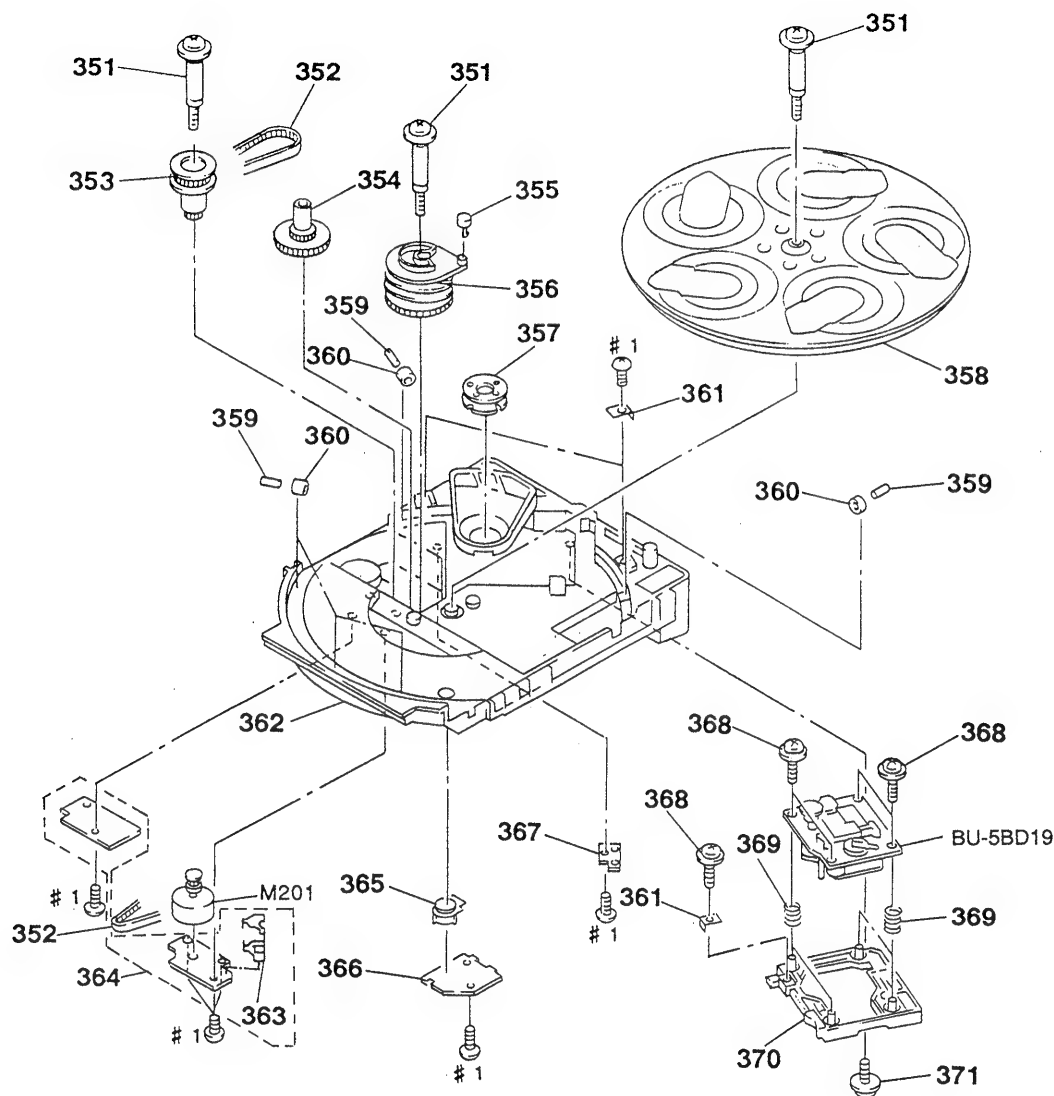
Ref. No.	Part No.	Description
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315	3-908-600-01	LEVER (REV-B)
* 316	1-650-669-11	LEAF SWITCH BOARD
317	3-908-598-01	CAM (B)
318	X-3369-849-2	ARM (B) ASSY, FR
319	3-914-111-01	SPRING (FR), TORSION
320	3-908-604-01	LEVER (TRIGGER B)
321	3-911-115-01	WASHER, STOPPER
322	3-917-176-11	BELT (B)
323	X-3370-172-1	FLYWHEEL (AF) ASSY
324	X-3371-441-1	CHASSIS ASSY, MECHANICAL
* 325	A-2007-435-A	MD BOARD, COMPLETE
M1	X-3371-223-1	MOTOR ASSY (CAPSTAN)
M2	A-2004-410-A	MOTOR ASSY (TRIGGER)

Remark

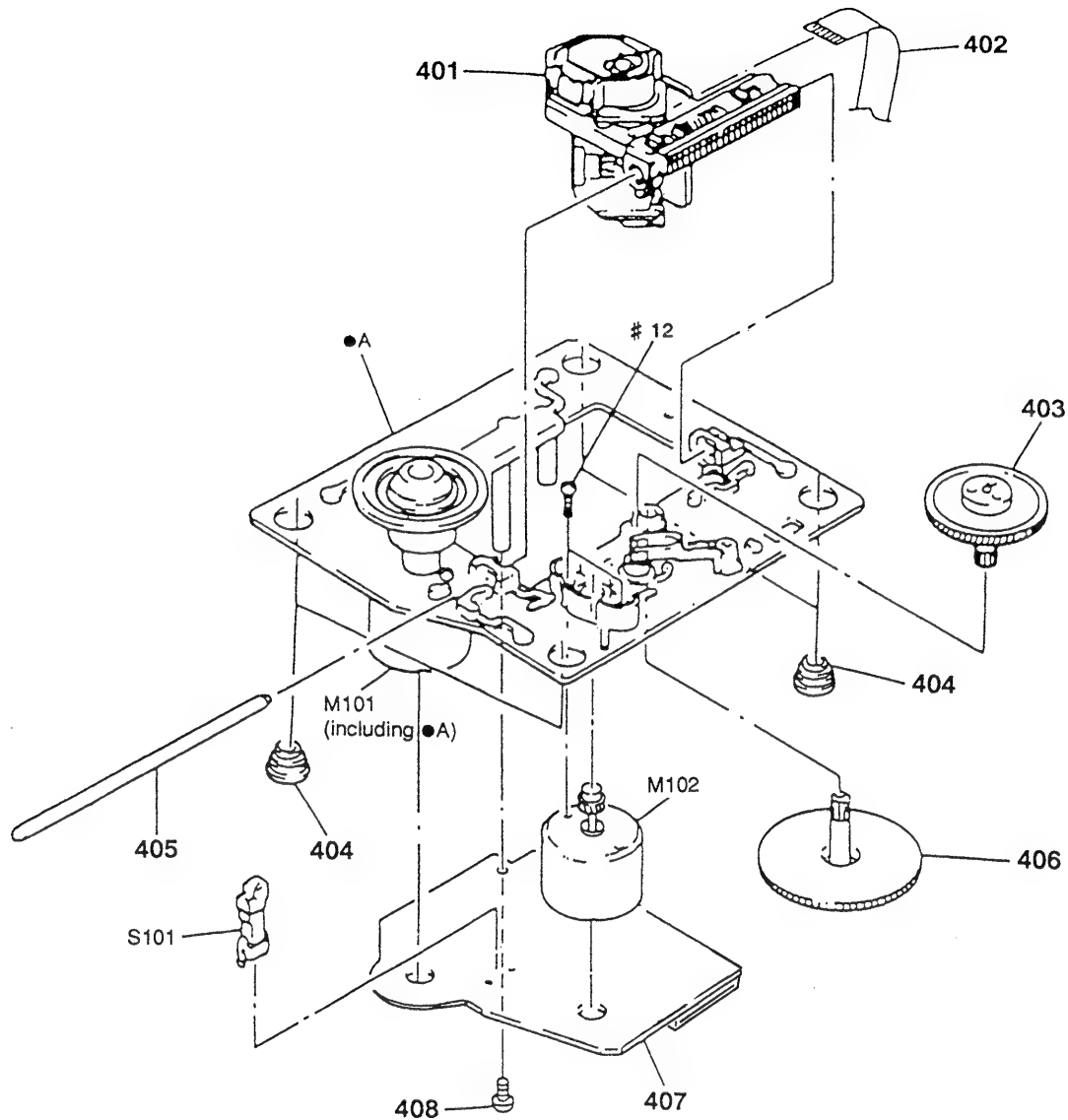




## 6-8. CD MECHANISM SECTION (CDM37-5BD19)





Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
351	4-978-423-01	SCREW, STEP		* 362	4-978-418-01	CHASSIS	
352	4-944-490-01	BELT (TIMING)		* 363	4-980-385-01	HOLDER (SW)	
353	A-4660-978-A	GEAR (PULLEY) ASSY		* 364	A-4673-765-A	CD MOTOR BOARD, COMPLETE	
354	4-978-421-01	GEAR (MID)		365	4-978-426-01	INDICATOR (NO.)	
355	4-978-425-01	ROLLER (CAM)					
356	4-978-420-01	CAM (HOLDER)		* 366	1-659-059-12	LED BOARD	
* 357	1-452-538-11	MAGNET		* 367	1-659-058-12	TABLE SENSOR BOARD	
358	4-978-417-01	TABLE, DISC		368	4-933-134-01	SCREW (+PTPWH M2.6X6)	
359	4-934-376-01	SHAFT (ROLLER)		369	4-958-593-01	SPRING (BU), COMPRESSION	
360	X-4924-457-1	ROLLER ASSY		* 370	4-978-419-01	HOLDER (BU-5)	
* 361	4-978-583-01	BRACKET (BU)		371	4-917-583-71	BRACKET, YOKE	
				M201	A-4660-977-A	MOTOR ASSY (TABLE)	

## 6-9. BASE UNIT SECTION (BU-5BD19)



The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description
 401	8-848-387-01	OPTICAL PICK-UP KSS-213BA/S-N
402	1-769-069-11	WIRE (FLAT TYPE) (16 CORE)
403	4-917-567-01	GEAR (M)
404	4-951-940-01	INSULATOR (BU)
405	4-917-565-01	SHAFT, SLED
406	4-917-564-01	GEAR (P), FLATNESS

Remark	Ref.No.	Part No.	Description	Remark
	* 407	A-4673-402-A	BD BOARD, COMPLETE	
	408	4-951-620-01	SCREW (2.6X8), +BVTP	
	M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
	M102	X-4917-504-1	MOTOR ASSY (SLED)	
	S101	1-572-085-11	SWITCH, LEAF (LIMIT)	

# SECTION 7

## ELECTRICAL PARTS LIST

## NOTE:

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS  
All resistors are in ohms  
METAL: Metal-film resistor  
METAL OXIDE: Metal Oxide-film resistor  
F: nonflammable
- CAPACITORS  
uF:  $\mu$ F
- COILS  
uH:  $\mu$ H
- SEMICONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA...:  $\mu$ A..., uPA...:  $\mu$ PA..., uPB...:  $\mu$ PB..., uPC...:  $\mu$ PC..., uPD...:  $\mu$ PD...
- Abbreviation  
CND : Canadian model  
G : German model  
IT : Italian model  
EE : East European model  
EA : Saudi Arabia model  
MX : Mexican model  
SP : Singapore model  
MY : Malaysia model  
AUS : Australian model  
AR : Argentine model  
TH : Thailand model  
IA : Indonesian model

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-4673-402-A	BD BOARD, COMPLETE *****		C139	1-163-235-11	CERAMIC CHIP 22PF 5%	50V
		< CAPACITOR >		C140	1-163-235-11	CERAMIC CHIP 22PF 5%	50V
C100	1-124-472-11	ELECT 470uF 20%	10V	C141	1-163-038-91	CERAMIC CHIP 0.1uF	25V
C101	1-126-607-11	ELECT CHIP 47uF 20%	4V	C142	1-163-038-91	CERAMIC CHIP 0.1uF	25V
C102	1-163-275-11	CERAMIC CHIP 0.001uF 5%	50V	C145	1-135-201-11	TANTALUM CHIP 10uF 20%	4V
C103	1-164-346-11	CERAMIC CHIP 1uF	16V	C146	1-135-201-11	TANTALUM CHIP 10uF 20%	4V
C105	1-163-038-91	CERAMIC CHIP 0.1uF	25V	C147	1-163-275-11	CERAMIC CHIP 0.001uF 5%	50V
C106	1-164-695-11	CERAMIC CHIP 0.0022uF 5%	50V	C148	1-163-275-11	CERAMIC CHIP 0.001uF 5%	50V
C107	1-164-695-11	CERAMIC CHIP 0.0022uF 5%	50V	C149	1-164-346-11	CERAMIC CHIP 1uF	16V
C108	1-164-232-11	CERAMIC CHIP 0.01uF	50V	C153	1-135-259-11	TANTAL. CHIP 10uF 20%	6.3V
C109	1-164-232-11	CERAMIC CHIP 0.01uF	50V	C154	1-163-235-11	CERAMIC CHIP 22PF 5%	50V
C110	1-163-989-11	CERAMIC CHIP 0.033uF 10%	25V			< CONNECTOR >	
C111	1-163-038-91	CERAMIC CHIP 0.1uF	25V	CNU101	1-770-014-11	CONNECTOR, FFC/FPC 16P	
C112	1-163-038-91	CERAMIC CHIP 0.1uF	25V	CNU102	1-770-013-11	CONNECTOR, FFC/FPC 19P	
C113	1-164-695-11	CERAMIC CHIP 0.0022uF 5%	50V			< IC >	
C114	1-164-005-11	CERAMIC CHIP 0.47uF	25V	IC101	8-752-069-56	IC CXA1782BQ	
C115	1-126-607-11	ELECT CHIP 47uF 20%	4V	IC102	8-759-291-06	IC BA6397FP	
C116	1-163-016-00	CERAMIC CHIP 0.0039uF 10%	50V	IC103	8-752-372-94	IC CXD2507AQ	
C117	1-164-005-11	CERAMIC CHIP 0.47uF	25V	IC104	8-759-185-29	IC PCM1710U-B	
C118	1-107-823-11	CERAMIC CHIP 0.47uF 10%	16V			< MOTOR >	
C119	1-163-038-91	CERAMIC CHIP 0.1uF	25V	M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
C120	1-135-201-11	TANTALUM CHIP 10uF 20%	4V	M102	X-4917-504-1	MOTOR ASSY (SLED)	
C121	1-163-038-91	CERAMIC CHIP 0.1uF	25V			< TRANSISTOR >	
C122	1-164-232-11	CERAMIC CHIP 0.01uF	50V	Q101	8-729-010-08	TRANSISTOR MSB710-R	
C123	1-163-038-91	CERAMIC CHIP 0.1uF	25V	Q102	8-729-424-08	TRANSISTOR UN2111	
C124	1-126-607-11	ELECT CHIP 47uF 20%	4V	Q103	8-729-421-22	TRANSISTOR UN2211	
C125	1-164-232-11	CERAMIC CHIP 0.01uF	50V			< RESISTOR >	
C126	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R102	1-216-001-00	METAL CHIP 10 5%	1/10W
C127	1-164-695-11	CERAMIC CHIP 0.0022uF 5%	50V	R103	1-216-049-91	METAL GLAZE 1K 5%	1/10W
C128	1-163-135-00	CERAMIC CHIP 560PF 5%	50V	R104	1-216-097-91	METAL GLAZE 100K 5%	1/10W
C129	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R105	1-216-093-00	METAL CHIP 68K 5%	1/10W
C130	1-164-336-11	CERAMIC CHIP 0.33uF	25V	R106	1-216-093-00	METAL CHIP 68K 5%	1/10W
C131	1-163-038-91	CERAMIC CHIP 0.1uF	25V	R107	1-216-093-00	METAL CHIP 68K 5%	1/10W
C132	1-163-037-11	CERAMIC CHIP 0.022uF 10%	25V	R108	1-216-093-00	METAL CHIP 68K 5%	1/10W
C133	1-163-145-00	CERAMIC CHIP 0.0015uF 5%	50V	R109	1-216-097-91	METAL GLAZE 100K 5%	1/10W
C134	1-164-346-11	CERAMIC CHIP 1uF	16V	R112	1-216-083-00	METAL CHIP 27K 5%	1/10W
C135	1-163-251-11	CERAMIC CHIP 100PF 5%	50V				
C136	1-164-005-11	CERAMIC CHIP 0.47uF	25V				
C137	1-164-232-11	CERAMIC CHIP 0.01uF	50V				

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R113	1-216-083-00	METAL CHIP	27K 5% 1/10W	RV102	1-241-396-11	RES, ADJ, METAL GLAZE 22K	
R114	1-216-101-00	METAL CHIP	150K 5% 1/10W	RV103	1-241-396-11	RES, ADJ, METAL GLAZE 22K	
R115	1-216-101-00	METAL CHIP	150K 5% 1/10W			< SWITCH >	
R116	1-216-061-00	METAL CHIP	3.3K 5% 1/10W	S101	1-572-085-11	SWITCH, LEAF (LIMIT)	
R117	1-216-069-00	METAL CHIP	6.8K 5% 1/10W			< VIBRATOR >	
R118	1-216-049-91	METAL GLAZE	1K 5% 1/10W	X101	1-579-280-11	VIBRATOR, CRYSTAL (16.9344MHz)	
R119	1-216-089-91	METAL GLAZE	47K 5% 1/10W	*****			
R120	1-216-089-91	METAL GLAZE	47K 5% 1/10W	*	1-659-404-11	CD (L) BOARD	
R121	1-216-114-00	METAL GLAZE	510K 5% 1/10W			*****	
R122	1-216-097-91	METAL GLAZE	100K 5% 1/10W			< CONNECTOR >	
R123	1-216-099-00	METAL CHIP	120K 5% 1/10W	* CN515	1-568-944-11	PIN, CONNECTOR 6P	
R124	1-216-091-00	METAL CHIP	56K 5% 1/10W			< DIODE >	
R125	1-216-069-00	METAL CHIP	6.8K 5% 1/10W	D638	8-719-057-09	DIODE LNJ801LPDJA (CLIP C)	
R126	1-216-063-91	METAL GLAZE	3.9K 5% 1/10W	D639	8-719-057-09	DIODE LNJ801LPDJA (CLIP B)	
R127	1-216-089-91	METAL GLAZE	47K 5% 1/10W	D640	8-719-057-09	DIODE LNJ801LPDJA (CLIP A)	
R128	1-216-105-91	METAL GLAZE	220K 5% 1/10W			< RESISTOR >	
R129	1-216-049-91	METAL GLAZE	1K 5% 1/10W	R568	1-247-815-91	CARBON 220 5% 1/4W	
R130	1-216-079-00	METAL CHIP	18K 5% 1/10W	R569	1-249-411-11	CARBON 330 5% 1/4W	
R131	1-216-079-00	METAL CHIP	18K 5% 1/10W	R570	1-249-413-11	CARBON 470 5% 1/4W F	
R132	1-216-061-00	METAL CHIP	3.3K 5% 1/10W	R571	1-249-415-11	CARBON 680 5% 1/4W F	
R133	1-216-061-00	METAL CHIP	3.3K 5% 1/10W	R572	1-249-417-11	CARBON 1K 5% 1/4W F	
R134	1-216-065-00	METAL CHIP	4.7K 5% 1/10W	R573	1-249-419-11	CARBON 1.5K 5% 1/4W F	
R135	1-216-065-00	METAL CHIP	4.7K 5% 1/10W	R574	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R136	1-216-073-00	METAL CHIP	10K 5% 1/10W	R575	1-249-423-11	CARBON 3.3K 5% 1/4W F	
R137	1-216-065-00	METAL CHIP	4.7K 5% 1/10W	R576	1-249-427-11	CARBON 6.8K 5% 1/4W F	
R138	1-216-049-91	METAL GLAZE	1K 5% 1/10W	R577	1-249-431-11	CARBON 15K 5% 1/4W	
R139	1-216-033-00	METAL CHIP	220 5% 1/10W			< SWITCH >	
R140	1-216-081-00	METAL CHIP	22K 5% 1/10W	S569	1-554-303-21	SWITCH, TACTILE (CLIP C)	
R141	1-216-061-00	METAL CHIP	3.3K 5% 1/10W	S570	1-554-303-21	SWITCH, TACTILE (CLIP B)	
R142	1-216-061-00	METAL CHIP	3.3K 5% 1/10W	S571	1-554-303-21	SWITCH, TACTILE (CLIP A)	
R143	1-216-121-91	METAL GLAZE	1M 5% 1/10W	S572	1-554-303-21	SWITCH, TACTILE (ERASE MUSIC CLIP)	
R144	1-216-073-00	METAL CHIP	10K 5% 1/10W	S573	1-554-303-21	SWITCH, TACTILE (PLAY MUSIC CLIP)	
R145	1-216-097-91	METAL GLAZE	100K 5% 1/10W	S574	1-554-303-21	SWITCH, TACTILE (DISC 1 DISC SELECT)	
R146	1-216-097-91	METAL GLAZE	100K 5% 1/10W	S575	1-554-303-21	SWITCH, TACTILE (DISC 2 DISC SELECT)	
R147	1-216-049-91	METAL GLAZE	1K 5% 1/10W	S576	1-554-303-21	SWITCH, TACTILE (DISC 3 DISC SELECT)	
R148	1-216-049-91	METAL GLAZE	1K 5% 1/10W	S577	1-554-303-21	SWITCH, TACTILE (DISC 4 DISC SELECT)	
R149	1-216-049-91	METAL GLAZE	1K 5% 1/10W	S578	1-554-303-21	SWITCH, TACTILE (DISC 5 DISC SELECT)	
R150	1-216-037-00	METAL CHIP	330 5% 1/10W	*****			
R151	1-216-037-00	METAL CHIP	330 5% 1/10W				
R152	1-216-037-00	METAL CHIP	330 5% 1/10W				
R153	1-216-082-00	METAL GLAZE	24K 5% 1/10W				
R154	1-216-065-00	METAL CHIP	4.7K 5% 1/10W				
R156	1-216-085-00	METAL CHIP	33K 5% 1/10W				
R157	1-216-069-00	METAL CHIP	6.8K 5% 1/10W				
R158	1-216-001-00	METAL CHIP	10 5% 1/10W				
< VARIABLE RESISTOR >							
RV101	1-241-396-11	RES, ADJ, METAL GLAZE 22K					

## CD (R)

## CD JOG

## CD LED

## CD MOTOR

Ref.No.	Part No.	Description	Remark
*	1-659-409-11	CD (R) BOARD ***** < CONNECTOR >	
CN514	1-568-936-11	PIN, CONNECTOR 9P  < DIODE >	
D603	8-719-058-03	DIODE SEL5423E-TP15 (▷)	
D604	8-719-058-03	DIODE SEL5423E-TP15 (▷)	
D636	8-719-058-17	DIODE LNJ401NPYJA (■)	
D637	8-719-057-09	DIODE LNJ801LPDJA (AUTO PLAY)	
		< RESISTOR >	
R553	1-249-411-11	CARBON 330 5% 1/4W	
R554	1-249-413-11	CARBON 470 5% 1/4W F	
R555	1-249-415-11	CARBON 680 5% 1/4W F	
R556	1-249-417-11	CARBON 1K 5% 1/4W F	
R557	1-249-419-11	CARBON 1.5K 5% 1/4W F	
R678	1-247-815-91	CARBON 220 5% 1/4W	
R680	1-247-815-91	CARBON 220 5% 1/4W	
		< SWITCH >	
S554	1-554-303-21	SWITCH, TACTILE (▷)	
S555	1-554-303-21	SWITCH, TACTILE (■)	
S556	1-554-303-21	SWITCH, TACTILE (■)	
S557	1-554-303-21	SWITCH, TACTILE (DISC SKIP)	
S558	1-554-303-21	SWITCH, TACTILE (AUTO PLAY)	
*****			
*	1-659-405-11	CD JOG BOARD ***** < CAPACITOR >	
C515	1-162-306-11	CERAMIC 0.01uF 30% 16V	
C516	1-162-306-11	CERAMIC 0.01uF 30% 16V	
		< CONNECTOR >	
* CN518	1-568-942-11	PIN, CONNECTOR 4P  < RESISTOR >	
R558	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R559	1-249-423-11	CARBON 3.3K 5% 1/4W F	
R560	1-249-427-11	CARBON 6.8K 5% 1/4W F	
R561	1-249-431-11	CARBON 15K 5% 1/4W	
		< SWITCH >	
S502	1-473-534-11	ENCODER, ROTARY (◀◀ AMS ▶▶)	
S559	1-554-303-21	SWITCH, TACTILE (PROGRAM)	

Ref.No.	Part No.	Description	Remark
S560	1-554-303-21	SWITCH, TACTILE (REPEAT)	
S561	1-554-303-21	SWITCH, TACTILE (SHUFFLE)	
S562	1-554-303-21	SWITCH, TACTILE (CONTINUE)	
*****			
*	1-659-406-11	CD LED BOARD ***** < CONNECTOR >	
CN516	1-506-481-11	PIN, CONNECTOR 2P  < DIODE >	
D3151	8-719-057-40	DIODE HLMF-K305-2UL (5CD)	
D3152	8-719-058-19	DIODE HLMF-K405-2UL (5CD)	
D3153	8-719-058-19	DIODE HLMF-K405-2UL (5CD)	
D3154	8-719-057-40	DIODE HLMF-K305-2UL (5CD)	
		< RESISTOR >	
R3151	1-249-412-11	CARBON 390 5% 1/4W F	
*****			
*	A-4673-765-A	CD MOTOR BOARD, COMPLETE *****	
*	4-980-385-01	HOLDER (SW)  < CAPACITOR >	
C201	1-124-907-11	ELECT 10uF 20% 50V	
C202	1-162-306-11	CERAMIC 0.01uF 30% 16V	
C203	1-124-907-11	ELECT 10uF 20% 50V	
		< CONNECTOR >	
* CN201	1-568-947-11	PIN, CONNECTOR 9P  < IC >	
IC201	8-759-365-94	IC TA8409S  < COIL >	
L201	1-408-117-00	INDUCTOR 10uH  < MOTOR >	
M201	A-4660-977-A	MOTOR ASSY (TABLE)  < RESISTOR >	
R205	1-249-427-11	CARBON 6.8K 5% 1/4W F	
R206	1-249-425-11	CARBON 4.7K 5% 1/4W F	

## CD MOTOR

## DOOR SW

## HP

## KEY CON

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
		< SWITCH >					
S201	1-762-587-11	SWITCH, PUSH (1 KEY) (UP)		C1470	1-162-294-31	CERAMIC 0.001uF 10% 50V	
		*****		C1471	1-162-294-31	CERAMIC 0.001uF 10% 50V	
*	1-659-408-11	DOOR SW BOARD		C1472	1-162-294-31	CERAMIC 0.001uF 10% 50V	
		*****				< CONNECTOR >	
		< SWITCH >		CN1401	1-566-999-11	PIN, CONNECTOR 13P	
S591	1-572-126-11	SWITCH, PUSH (1 KEY) (▲ OPEN)				< IC >	
		*****		IC1401	8-759-370-85	IC M65847FP-TP	
				IC1403	8-759-140-53	IC uPD4053BC	
						< COIL >	
*	1-659-411-11	HP BOARD		L1401	1-410-521-11	INDUCTOR 100uH	
		*****				< TRANSISTOR >	
		< CAPACITOR >		Q1401	8-729-900-80	TRANSISTOR DTC114ES	
C621	1-164-159-21	CERAMIC 0.1uF 50V		Q1403	8-729-119-78	TRANSISTOR 2SC403SP-51	
C622	1-164-159-21	CERAMIC 0.1uF 50V				< RESISTOR >	
C623	1-164-159-21	CERAMIC 0.1uF 50V					
		< JACK >		R1413	1-247-863-91	CARBON 22K 5% 1/4W	
J601	1-569-113-11	JACK, LARGE TYPE		R1414	1-247-863-91	CARBON 22K 5% 1/4W	
		*****		R1415	1-249-441-11	CARBON 100K 5% 1/4W	
				R1416	1-249-441-11	CARBON 100K 5% 1/4W	
				R1417	1-249-429-11	CARBON 10K 5% 1/4W	
*	A-4389-020-A	KEY CON BOARD, COMPLETE (N355K)		R1418	1-249-425-11	CARBON 4.7K 5% 1/4W F	
		*****		R1419	1-249-425-11	CARBON 4.7K 5% 1/4W F	
		< CAPACITOR >		R1421	1-249-417-11	CARBON 1K 5% 1/4W F	
C1403	1-126-964-11	ELECT 10uF 20% 50V		R1422	1-249-429-11	CARBON 10K 5% 1/4W	
C1404	1-126-964-11	ELECT 10uF 20% 50V		R1435	1-247-807-31	CARBON 100 5% 1/4W	
C1405	1-126-964-11	ELECT 10uF 20% 50V					
C1406	1-126-964-11	ELECT 10uF 20% 50V		R1436	1-249-429-11	CARBON 10K 5% 1/4W	
C1431	1-130-493-00	MYLAR 0.068uF 5% 50V		R1437	1-249-425-11	CARBON 4.7K 5% 1/4W F	
				R1438	1-247-807-31	CARBON 100 5% 1/4W	
C1432	1-130-493-00	MYLAR 0.068uF 5% 50V		R1448	1-249-429-11	CARBON 10K 5% 1/4W	
C1433	1-130-493-00	MYLAR 0.068uF 5% 50V		R1450	1-249-441-11	CARBON 100K 5% 1/4W	
C1434	1-162-284-31	CERAMIC 150PF 10% 50V					
C1436	1-126-967-11	ELECT 47uF 20% 10V		R1451	1-249-429-11	CARBON 10K 5% 1/4W	
C1437	1-164-159-21	CERAMIC 0.1uF 50V		R1452	1-249-425-11	CARBON 4.7K 5% 1/4W F	
				R1453	1-249-429-11	CARBON 10K 5% 1/4W	
C1438	1-126-933-11	ELECT 100uF 20% 10V		R1457	1-249-424-11	CARBON 3.9K 5% 1/4W F	
C1439	1-126-964-11	ELECT 10uF 20% 50V		R1458	1-249-431-11	CARBON 15K 5% 1/4W	
C1445	1-136-165-00	FILM 0.1uF 5% 50V					
C1446	1-136-165-00	FILM 0.1uF 5% 50V		R1459	1-249-429-11	CARBON 10K 5% 1/4W	
C1448	1-126-964-11	ELECT 10uF 20% 50V		R1460	1-247-863-91	CARBON 22K 5% 1/4W	
				R1461	1-249-434-11	CARBON 27K 5% 1/4W	
C1461	1-162-294-31	CERAMIC 0.001uF 10% 50V		R1469	1-249-426-11	CARBON 5.6K 5% 1/4W	
C1462	1-162-306-11	CERAMIC 0.01uF 20% 16V				*****	
C1466	1-162-600-11	CERAMIC 0.0047uF 20% 16V					
C1467	1-162-291-31	CERAMIC 560PF 10% 50V					
C1468	1-162-290-31	CERAMIC 470PF 10% 50V					
C1469	1-162-294-31	CERAMIC 0.001uF 10% 50V					

# LEAF SWITCH LED MAIN

Ref.No.	Part No.	Description	Remark
*	1-650-669-11	LEAF SWITCH BOARD *****	
		< CONNECTOR >	
* CN1001	1-568-854-11	SOCKET, CONNECTOR 11P	
		< TRANSISTOR >	
Q1001	8-749-010-90	TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2	
Q1002	8-749-010-90	TRANSISTOR PHOTO REFLECTOR NJL5165KA-H2	
		< RESISTOR >	
R1001	1-249-412-11	CARBON 390 5% 1/4W F	
R1002	1-249-412-11	CARBON 390 5% 1/4W F	
R1003	1-249-414-11	CARBON 560 5% 1/4W F	
R1004	1-247-834-11	CARBON 1.3K 5% 1/4W	
R1005	1-247-818-11	CARBON 300 5% 1/4W	
		< SWITCH >	
S1001	1-692-832-11	SWITCH, PUSH (1 KEY) (A PLAY)	
S1002	1-692-832-11	SWITCH, PUSH (1 KEY) (B PLAY)	
S1003	1-572-248-11	SWITCH, LEAF (A HALF)	
S1004	1-571-281-21	SWITCH, LEAF (A CrO2)	
S1005	1-571-281-21	SWITCH, LEAF (REC A)	
S1006	1-572-248-11	SWITCH, LEAF (B HALF)	
S1008	1-571-281-21	SWITCH, LEAF (B CrO2)	
S1009	1-571-281-21	SWITCH, LEAF (REC B)	
*****			
*	1-659-059-12	LED BOARD *****	
		< DIODE >	
D201	8-719-032-98	DIODE SEL5820A (DISC No.)	
		< TRANSISTOR >	
Q201	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		< RESISTOR >	
R201	1-247-863-91	CARBON 22K 5% 1/4W	
R202	1-249-411-11	CARBON 330 5% 1/4W	
R203	1-249-437-11	CARBON 47K 5% 1/4W	
*****			

Ref.No.	Part No.	Description	Remark
*	A-4378-981-A	MAIN BOARD, COMPLETE ***** (N355:AEP, UK, G, IT, EE)	
*	A-4378-993-A	MAIN BOARD, COMPLETE ***** (N355:E, MX, AR, AUS, PX)	
*	A-4389-002-A	MAIN BOARD, COMPLETE (N355K:E, SP, IA) *****	
*	A-4389-666-A	MAIN BOARD, COMPLETE (D570) *****	
*	A-4390-150-A	MAIN BOARD, COMPLETE (N355K:MY) *****	
*	A-4390-158-A	MAIN BOARD, COMPLETE (N355K:EA) *****	
*	A-4390-207-A	MAIN BOARD, COMPLETE (N355K:TH) *****	
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
		< CAPACITOR >	
C201	1-126-961-11	ELECT 2.2uF 20% 50V	
C202	1-162-600-11	CERAMIC 0.0047uF 30% 16V	
C203	1-124-472-11	ELECT 470uF 20% 10V	
C204	1-162-282-31	CERAMIC 100PF 10% 50V	
C205	1-162-282-31	CERAMIC 100PF 10% 50V	
C209	1-126-941-11	ELECT 470uF 20% 6.3V	
C213	1-164-159-21	CERAMIC 0.1uF 50V (D570:US)	
C251	1-126-961-11	ELECT 2.2uF 20% 50V	
C252	1-162-600-11	CERAMIC 0.0047uF 30% 16V	
C301	1-130-479-00	MYLAR 0.0047uF 5% 50V	
C302	1-162-290-31	CERAMIC 470PF 10% 50V	
C303	1-136-165-00	FILM 0.1uF 5% 50V (D570/N355:AEP, UK, G, IT, EE)	
C305	1-124-903-11	ELECT 1uF 20% 50V	
C306	1-124-902-00	ELECT 0.47uF 20% 50V	
C307	1-126-964-11	ELECT 10uF 20% 50V	
C308	1-126-964-11	ELECT 10uF 20% 50V	
C309	1-124-903-11	ELECT 1uF 20% 50V	
C310	1-126-933-11	ELECT 100uF 20% 10V	
C351	1-130-479-00	MYLAR 0.0047uF 5% 50V	
C352	1-162-290-31	CERAMIC 470PF 10% 50V	
C353	1-136-165-00	FILM 0.1uF 5% 50V (D570/N355:AEP, UK, G, IT, EE)	
C355	1-124-903-11	ELECT 1uF 20% 50V	
C356	1-124-902-00	ELECT 0.47uF 20% 50V	
C357	1-126-964-11	ELECT 10uF 20% 50V	
C358	1-126-964-11	ELECT 10uF 20% 50V	

Ref.No.	Part No.	Description	Remark			Ref.No.	Part No.	Description	Remark		
C359	1-124-903-11	ELECT	1uF	20%	50V	C907	1-130-480-00	MYLAR	0.0056uF	5%	50V
C360	1-126-933-11	ELECT	100uF	20%	10V	C908	1-130-479-00	MYLAR	0.0047uF	5%	50V
C401	1-164-159-21	CERAMIC	0.1uF		50V	C909	1-130-474-00	MYLAR	0.0018uF	5%	50V
C402	1-164-159-21	CERAMIC	0.1uF		50V	C910	1-126-964-11	ELECT	10uF	20%	50V
C403	1-164-159-21	CERAMIC	0.1uF		50V						
C404	1-126-933-11	ELECT	100uF	20%	16V	C911	1-126-964-11	ELECT	10uF	20%	50V
C405	1-126-925-11	ELECT	470uF	20%	16V	C912	1-136-169-00	FILM	0.22uF	5%	50V
C701	1-162-306-11	CERAMIC	0.01uF	30%	16V	C913	1-136-169-00	FILM	0.22uF	5%	50V
C702	1-126-926-11	ELECT	1000uF	20%	10V	C914	1-126-964-11	ELECT	10uF	20%	50V
C703	1-126-964-11	ELECT	10uF	20%	50V	C915	1-136-153-00	FILM	0.01uF	5%	50V
C704	1-136-165-00	FILM	0.1uF	5%	50V	C930	1-136-165-00	FILM	0.1uF	5%	50V
C705	1-136-165-00	FILM	0.1uF	5%	50V	C931	1-136-153-00	FILM	0.01uF	5%	50V
C706	1-126-965-11	ELECT	22uF	20%	50V	C933	1-124-902-00	ELECT	0.47uF	20%	50V
C707	1-162-205-31	CERAMIC	18PF	5%	50V	C935	1-164-159-21	CERAMIC	0.1uF		50V
C708	1-162-205-31	CERAMIC	18PF	5%	50V	C936	1-126-964-11	ELECT	10uF	20%	50V
C709	1-164-159-21	CERAMIC	0.1uF		50V	C938	1-162-290-31	CERAMIC	470PF	10%	50V
			(N355:E, MX, AR, AUS, PX/N355K)			C939	1-126-967-11	ELECT	47uF	20%	10V
C710	1-162-306-11	CERAMIC	0.01uF	30%	16V	C940	1-126-967-11	ELECT	47uF	20%	10V
C789	1-126-923-11	ELECT	220uF	20%	10V	C951	1-136-169-00	FILM	0.22uF	5%	50V
C801	1-162-288-31	CERAMIC	330PF	10%	50V	C952	1-136-169-00	FILM	0.22uF	5%	50V
			(N355:AEP, UK, G, IT, EE)			C953	1-136-495-11	FILM	0.068uF	5%	50V
C802	1-164-159-21	CERAMIC	0.1uF		50V	C954	1-136-495-11	FILM	0.068uF	5%	50V
C803	1-162-282-31	CERAMIC	100PF	10%	50V	C955	1-136-156-00	FILM	0.018uF	5%	50V
C804	1-162-282-31	CERAMIC	100PF	10%	50V	C956	1-136-156-00	FILM	0.018uF	5%	50V
C805	1-126-962-11	ELECT	3.3uF	20%	50V	C957	1-130-480-00	MYLAR	0.0056uF	5%	50V
C806	1-162-600-11	CERAMIC	0.0047uF	30%	16V	C958	1-130-479-00	MYLAR	0.0047uF	5%	50V
C807	1-162-301-11	CERAMIC	0.0015uF	30%	16V	C959	1-130-474-00	MYLAR	0.0018uF	5%	50V
C808	1-124-463-00	ELECT	0.1uF	20%	50V	C960	1-126-964-11	ELECT	10uF	20%	50V
C809	1-126-967-11	ELECT	47uF	20%	10V	C961	1-126-964-11	ELECT	10uF	20%	50V
			(N355:AEP, UK, G, IT, EE)			C962	1-136-169-00	FILM	0.22uF	5%	50V
C810	1-162-306-11	CERAMIC	0.01uF	30%	16V	C963	1-136-169-00	FILM	0.22uF	5%	50V
C811	1-162-306-11	CERAMIC	0.01uF	30%	16V	C964	1-126-964-11	ELECT	10uF	20%	50V
C821	1-162-286-21	CERAMIC	220PF	10%	50V	C965	1-136-153-00	FILM	0.01uF	5%	50V
C825	1-109-889-11	ELECT	1uF	20%	50V	C1001	1-126-937-11	ELECT	4700uF	20%	16V
C851	1-162-288-31	CERAMIC	330PF	10%	50V	C1002	1-126-768-11	ELECT	2200uF	20%	16V
			(N355:AEP, UK, G, IT, EE)			C1003	1-126-964-11	ELECT	10uF	20%	50V
C853	1-162-282-31	CERAMIC	100PF	10%	50V	C1005	1-126-964-11	ELECT	10uF	20%	50V
C854	1-162-282-31	CERAMIC	100PF	10%	50V	C1006	1-126-933-11	ELECT	100uF	20%	10V
C855	1-126-962-11	ELECT	3.3uF	20%	50V	C1007	1-126-934-11	ELECT	220uF	20%	16V
C856	1-162-600-11	CERAMIC	0.0047uF	30%	16V	C1008	1-126-933-11	ELECT	100uF	20%	16V
C857	1-162-301-11	CERAMIC	0.0015uF	30%	16V	C1010	1-164-159-21	CERAMIC	0.1uF		50V
C858	1-124-463-00	ELECT	0.1uF	20%	50V	C1011	1-164-159-21	CERAMIC	0.1uF		50V
C859	1-126-967-11	ELECT	47uF	20%	10V	C1012	1-126-964-11	ELECT	10uF	20%	50V
			(N355:AEP, UK, G, IT, EE)			C1013	1-126-916-11	ELECT	1000uF	20%	6.3V
C871	1-162-286-21	CERAMIC	220PF	10%	50V	C1014	1-126-964-11	ELECT	10uF	20%	50V
C901	1-136-169-00	FILM	0.22uF	5%	50V	C1015	1-126-964-11	ELECT	10uF	20%	50V
C902	1-136-169-00	FILM	0.22uF	5%	50V	C1016	1-126-925-11	ELECT	470uF	20%	10V
C903	1-136-495-11	FILM	0.068uF	5%	50V	C1017	1-126-925-11	ELECT	470uF	20%	10V
C904	1-136-495-11	FILM	0.068uF	5%	50V	C1018	1-126-942-61	ELECT	1000uF	20%	25V
C905	1-136-156-00	FILM	0.018uF	5%	50V	C1019	1-126-934-11	ELECT	220uF	20%	16V
C906	1-136-156-00	FILM	0.018uF	5%	50V	C1020	1-126-947-11	ELECT	47uF	20%	35V



# MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C1021	1-126-964-11	ELECT	10uF 20% 50V	CN801	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P (N355K)	
C1022	1-126-968-11	ELECT	100uF 20% 50V	* CN1001	1-564-513-11	PLUG, CONNECTOR 10P	
C1023	1-126-968-11	ELECT	100uF 20% 50V	CN1311	1-564-505-11	PLUG, CONNECTOR 2P (D570)	
C1025	1-126-925-11	ELECT	470uF 20% 10V			< DIODE >	
C1026	1-126-925-11	ELECT	470uF 20% 10V	D201	8-719-987-63	DIODE 1N4148M	
C1221	1-126-933-11	ELECT	100uF 20% 10V	D202	8-719-987-63	DIODE 1N4148M	
C1222	1-126-933-11	ELECT	100uF 20% 10V	D401	8-719-933-54	DIODE HZS9A2L	
C1223	1-126-923-11	ELECT	220uF 20% 10V	D701	8-719-987-63	DIODE 1N4148M	
C1224	1-124-925-11	ELECT	2.2uF 20% 100V	D702	8-719-987-63	DIODE 1N4148M	
C1227	1-164-159-21	CERAMIC	0.1uF 50V	D703	8-719-987-63	DIODE 1N4148M	
C1228	1-164-159-21	CERAMIC	0.1uF 50V	D704	8-719-987-63	DIODE 1N4148M	
C1230	1-126-974-11	ELECT	3300uF 20% 50V (N355/N355K)	D705	8-719-987-63	DIODE 1N4148M	
C1230	1-128-493-11	ELECT	4700uF 20% 71V (D570)	D706	8-719-200-82	DIODE 11ES2	
C1235	1-126-974-11	ELECT	3300uF 20% 50V (N355/N355K)	D707	8-719-987-63	DIODE 1N4148M	
C1235	1-128-493-11	ELECT	4700uF 20% 71V (D570)	D708	8-719-987-63	DIODE 1N4148M	
C1248	1-136-495-11	FILM	0.068uF 5% 50V (N355:AEP, UK, G, IT, EE)	D721	8-719-987-63	DIODE 1N4148M	
C1249	1-136-495-11	FILM	0.068uF 5% 50V (N355:AEP, UK, G, IT, EE)	D722	8-719-987-63	DIODE 1N4148M	
C1250	1-162-294-31	CERAMIC	0.001uF 10% 50V (N355:AEP, UK, G, IT, EE)	D1001	8-719-200-82	DIODE 11ES2	
C1270	1-130-781-00	FILM	0.22uF 10% 100V	D1002	8-719-200-82	DIODE 11ES2	
C1271	1-130-781-00	FILM	0.22uF 10% 100V	D1003	8-719-200-82	DIODE 11ES2	
C1280	1-162-282-31	CERAMIC	100PF 10% 50V (N355:AEP, UK, G, IT, EE)	D1004	8-719-200-82	DIODE 11ES2	
C1298	1-136-495-11	FILM	0.068uF 5% 50V (N355:AEP, UK, G, IT, EE)	D1005	8-719-200-82	DIODE 11ES2	
C1299	1-136-495-11	FILM	0.068uF 5% 50V (N355:AEP, UK, G, IT, EE)	D1006	8-719-200-82	DIODE 11ES2	
C1300	1-162-294-31	CERAMIC	0.001uF 10% 50V (N355:AEP, UK, G, IT, EE)	D1007	8-719-987-63	DIODE 1N4148M	
C1311	1-162-306-11	CERAMIC	0.01uF 20% 16V (D570)	D1008	8-719-001-43	DIODE UZL-11M1-TA	
C1312	1-126-163-11	ELECT	4.7uF 20% 50V (D570)	D1009	8-719-987-63	DIODE 1N4148M	
R945	1-164-159-21	CERAMIC	0.1uF 50V	D1010	8-719-987-63	DIODE 1N4148M	
		< CONNECTOR >		D1011	8-719-010-43	DIODE UZ-5.6BSC	
CN201	1-770-067-11	CONNECTOR, FFC/FPC 19P		D1013	8-719-200-82	DIODE 11ES2	
* CN203	1-568-936-11	PIN, CONNECTOR 9P		D1014	8-719-200-82	DIODE 11ES2	
CN401	1-568-838-11	SOCKET, CONNECTOR 21P		D1016	8-719-200-82	DIODE 11ES2	
* CN402	1-568-830-11	SOCKET, CONNECTOR 11P		D1017	8-719-200-82	DIODE 11ES2	
* CN403	1-568-449-11	HOUSING, CONNECTOR(PC BOARD)3P		D1018	8-719-200-82	DIODE 11ES2	
CN702	1-568-802-11	SOCKET, CONNECTOR 19P (D570/N355:AEP, UK, G, IT, EE)		D1019	8-719-987-63	DIODE 1N4148M	
CN702	1-568-838-11	SOCKET, CONNECTOR 21P (N355:E, MX, AR, AUS, PX)		D1021	8-719-200-82	DIODE 11ES2	
* CN702	1-568-841-11	SOCKET, CONNECTOR 25P (N355K)		D1022	8-719-200-82	DIODE 11ES2	
* CN703	1-568-832-11	SOCKET, CONNECTOR 13P (D570/N355:E, MX, AR, AUS, PX/N355K)		D1023	8-719-011-13	DIODE UZ-30BSC	
* CN703	1-568-834-11	SOCKET, CONNECTOR 15P (N355:AEP, UK, G, IT, EE)		D1059	8-719-987-63	DIODE 1N4148M	
				D1069	8-719-987-63	DIODE 1N4148M	
				D1204	8-719-815-85	DIODE 1S1585 (D570)	
				D1204	8-719-987-63	DIODE 1N4148M (N355/N355K)	
				D1205	8-719-815-85	DIODE 1S1585 (D570)	
				D1205	8-719-987-63	DIODE 1N4148M (N355/N355K)	
				D1230	8-719-987-63	DIODE 1N4148M	
				D1250	8-719-510-68	DIODE D5SBA20F01	
				D1309	8-719-815-85	DIODE 1S1585 (D570)	
				D1309	8-719-987-63	DIODE 1N4148M (N355/N355K)	
				D1310	8-719-815-85	DIODE 1S1585 (D570)	
				D1310	8-719-987-63	DIODE 1N4148M (N355/N355K)	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
D1321	8-719-815-85	DIODE 1S1585 (D570)		Q1001	8-729-118-01	TRANSISTOR 2SB1116-K	
D1371	8-719-815-85	DIODE 1S1585 (D570)		Q1002	8-729-900-36	TRANSISTOR DTC124ES	
< IC >				Q1003	8-729-030-18	TRANSISTOR 2SD2525	
IC401	8-759-289-38	IC HA12195NT (D570/N355:AEP, UK, G, IT, EE)		Q1003	8-729-209-15	TRANSISTOR 2SD2012	
IC401	8-759-289-39	IC HA12196NT		Q1006	8-729-141-83	TRANSISTOR 2SB1094-LK	
		(N355:E, MX, AR, AUS, PX/N355K)		Q1204	8-729-900-63	TRANSISTOR DTA124ES	
IC402	8-759-822-09	IC LB1641		Q1205	8-729-900-36	TRANSISTOR DTC124ES	
IC701	8-759-392-42	IC TMP87CS64YF-6397		Q1206	8-729-900-80	TRANSISTOR DTC114ES	
IC702	8-759-165-80	IC PST600C-T		Q1207	8-729-119-76	TRANSISTOR 2SA1175-HFE (N355/N355K)	
IC801	8-759-634-51	IC M5218AP		Q1207	8-729-140-82	TRANSISTOR 2SA988-PAFAEA (D570)	
IC802	8-759-000-48	IC MC14052BCP		Q1208	8-729-119-76	TRANSISTOR 2SA1175-HFE (N355/N355K)	
IC901	8-759-331-39	IC M62427FP		Q1208	8-729-140-82	TRANSISTOR 2SA988-PAFAEA (D570)	
IC902	8-759-634-51	IC M5218AP		Q1311	8-729-119-76	TRANSISTOR 2SA1175-HFE (D570)	
IC1001	8-759-231-53	IC TA7805S		Q1312	8-729-116-84	TRANSISTOR 2SD1616-U (D570)	
IC1002	8-759-604-86	IC M5F7807L		< RESISTOR >			
IC1003	8-759-604-86	IC M5F7807L		R201	1-249-415-11	CARBON 680 5% 1/4W F	
IC1004	8-759-604-90	IC M5F7907L		R202	1-249-435-11	CARBON 33K 5% 1/4W	
IC1202	8-759-111-68	IC uPC1237HA		R203	1-249-425-11	CARBON 4.7K 5% 1/4W F	
< JACK >				R206	1-249-425-11	CARBON 4.7K 5% 1/4W F	
J801	1-695-188-31	JACK, PIN 4P (PHONO IN, VIDEO(AUDIO) IN)		R207	1-249-425-11	CARBON 4.7K 5% 1/4W F	
< COIL >				R208	1-249-425-11	CARBON 4.7K 5% 1/4W F	
L214	1-412-473-21	INDUCTOR (D570:US)		R251	1-249-415-11	CARBON 680 5% 1/4W F	
L1201	1-420-872-00	COIL, AIR-CORE		R252	1-249-435-11	CARBON 33K 5% 1/4W	
L1251	1-420-872-00	COIL, AIR-CORE		R301	1-249-430-11	CARBON 12K 5% 1/4W	
< TRANSISTOR >				R302	1-249-431-11	CARBON 15K 5% 1/4W	
Q301	8-729-119-78	TRANSISTOR 2SC403SP-51		R303	1-249-432-11	CARBON 18K 5% 1/4W	
Q351	8-729-119-78	TRANSISTOR 2SC403SP-51				(D570/N355:AEP, UK, G, IT, EE)	
Q401	8-729-119-78	TRANSISTOR 2SC403SP-51		R304	1-249-428-11	CARBON 8.2K 5% 1/4W F	
Q402	8-729-900-65	TRANSISTOR DTA144ES		R305	1-249-425-11	CARBON 4.7K 5% 1/4W F	
Q403	8-729-801-93	TRANSISTOR 2SD1387		R306	1-247-840-00	CARBON 2.4K 5% 1/4W	
				R307	1-247-863-91	CARBON 22K 5% 1/4W	
Q406	8-729-900-80	TRANSISTOR DTC114ES		R308	1-249-421-11	CARBON 2.2K 5% 1/4W F	
Q407	8-729-422-57	TRANSISTOR UN4111		R309	1-249-428-11	CARBON 8.2K 5% 1/4W F	
Q408	8-729-119-76	TRANSISTOR 2SA1175-HFE		R310	1-249-417-11	CARBON 1K 5% 1/4W F	
Q409	8-729-900-80	TRANSISTOR DTC114ES		R351	1-249-430-11	CARBON 12K 5% 1/4W	
Q410	8-729-900-65	TRANSISTOR DTA144ES		R352	1-249-431-11	CARBON 15K 5% 1/4W	
Q411	8-729-900-65	TRANSISTOR DTA144ES		R354	1-249-428-11	CARBON 8.2K 5% 1/4W F	
Q412	8-729-900-65	TRANSISTOR DTA144ES		R355	1-249-425-11	CARBON 4.7K 5% 1/4W F	
Q701	8-729-119-78	TRANSISTOR 2SC403SP-51		R356	1-247-840-00	CARBON 2.4K 5% 1/4W	
Q820	8-729-422-57	TRANSISTOR UN4111		R357	1-247-863-91	CARBON 22K 5% 1/4W	
Q823	8-729-422-57	TRANSISTOR UN4111		R358	1-249-421-11	CARBON 2.2K 5% 1/4W F	
Q901	8-729-119-78	TRANSISTOR 2SC403SP-51		R359	1-249-428-11	CARBON 8.2K 5% 1/4W F	
Q902	8-729-119-78	TRANSISTOR 2SC403SP-51		R360	1-249-417-11	CARBON 1K 5% 1/4W F	
Q951	8-729-119-78	TRANSISTOR 2SC403SP-51		R401	1-249-425-11	CARBON 4.7K 5% 1/4W F	
Q952	8-729-119-78	TRANSISTOR 2SC403SP-51		R402	1-249-425-11	CARBON 4.7K 5% 1/4W F	
Q953	8-729-141-26	TRANSISTOR 2SC3622A-LK		R403	1-249-425-11	CARBON 4.7K 5% 1/4W F	
Q954	8-729-141-26	TRANSISTOR 2SC3622A-LK		R404	1-249-417-11	CARBON 1K 5% 1/4W F	
				R405	1-249-437-11	CARBON 47K 5% 1/4W	
				R406	1-249-437-11	CARBON 47K 5% 1/4W	
				R407	1-249-437-11	CARBON 47K 5% 1/4W	

# MAIN

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R408	1-249-437-11	CARBON	47K 5% 1/4W	R732	1-247-807-31	CARBON	100 5% 1/4W
R409	1-249-429-11	CARBON	10K 5% 1/4W	R733	1-247-807-31	CARBON	100 5% 1/4W
R410	1-247-882-11	CARBON	130K 5% 1/4W	R734	1-247-807-31	CARBON	100 5% 1/4W
R411	1-247-866-11	CARBON	30K 5% 1/4W	R735	1-247-807-31	CARBON	100 5% 1/4W
R412	1-249-429-11	CARBON	10K 5% 1/4W	R736	1-247-807-31	CARBON	100 5% 1/4W
		(D570/N355:AEP, UK, G, IT, EE)		R737	1-247-807-31	CARBON	100 5% 1/4W
R413	1-247-864-11	CARBON	24K 5% 1/4W	R740	1-249-423-11	CARBON	3.3K 5% 1/4W F
						(N355:E, MX, AR, AUS, PX/N355K:E, MY, SP, TH, IA)	
R414	1-249-429-11	CARBON	10K 5% 1/4W	R740	1-249-427-11	CARBON	6.8K 5% 1/4W F
R415	1-249-429-11	CARBON	10K 5% 1/4W			(N355:G, IT/N355K:EA)	
R416	1-249-429-11	CARBON	10K 5% 1/4W	R740	1-249-429-11	CARBON	10K 5% 1/4W
R417	1-249-429-11	CARBON	10K 5% 1/4W			(N355:AEP, UK)	
R418	1-249-429-11	CARBON	10K 5% 1/4W				
R419	1-249-429-11	CARBON	10K 5% 1/4W	R740	1-249-435-11	CARBON	33K 5% 1/4W (N355:EE)
R420	1-249-429-11	CARBON	10K 5% 1/4W	R741	1-249-423-11	CARBON	3.3K 5% 1/4W F
		(D570/N355:AEP, UK, G, IT, EE)				(N355:AEP, UK, G, IT)	
R421	1-249-429-11	CARBON	10K 5% 1/4W	R741	1-249-429-11	CARBON	10K 5% 1/4W
		(D570/N355:AEP, UK, G, IT, EE)				(N355:MX, AR, AUS, PX, EE/N355K:E, MY, SP, TH, IA)	
R454	1-247-863-91	CARBON	22K 5% 1/4W	R741	1-249-435-11	CARBON	33K 5% 1/4W (N355K:EA)
R455	1-247-863-91	CARBON	22K 5% 1/4W	R743	1-247-807-31	CARBON	100 5% 1/4W
R456	1-249-411-11	CARBON	330 5% 1/4W	R744	1-247-807-31	CARBON	100 5% 1/4W
R457	1-249-427-11	CARBON	6.8K 5% 1/4W F	R745	1-247-807-31	CARBON	100 5% 1/4W
R458	1-249-429-11	CARBON	10K 5% 1/4W	R746	1-249-429-11	CARBON	10K 5% 1/4W
R461	1-249-417-11	CARBON	1K 5% 1/4W F	R747	1-249-429-11	CARBON	10K 5% 1/4W
R701	1-249-429-11	CARBON	10K 5% 1/4W	R748	1-249-429-11	CARBON	10K 5% 1/4W
R702	1-249-437-11	CARBON	47K 5% 1/4W	R749	1-249-429-11	CARBON	10K 5% 1/4W
R703	1-249-437-11	CARBON	47K 5% 1/4W	R750	1-247-807-31	CARBON	100 5% 1/4W
R704	1-249-429-11	CARBON	10K 5% 1/4W	R751	1-247-807-31	CARBON	100 5% 1/4W
R705	1-249-429-11	CARBON	10K 5% 1/4W	R752	1-247-807-31	CARBON	100 5% 1/4W
R708	1-249-429-11	CARBON	10K 5% 1/4W	R753	1-247-807-31	CARBON	100 5% 1/4W
R709	1-249-429-11	CARBON	10K 5% 1/4W	R754	1-247-807-31	CARBON	100 5% 1/4W
R710	1-249-429-11	CARBON	10K 5% 1/4W	R755	1-247-807-31	CARBON	100 5% 1/4W
R711	1-249-429-11	CARBON	10K 5% 1/4W	R756	1-249-429-11	CARBON	10K 5% 1/4W
R712	1-249-429-11	CARBON	10K 5% 1/4W	R757	1-247-807-31	CARBON	100 5% 1/4W
R713	1-249-429-11	CARBON	10K 5% 1/4W	R758	1-247-807-31	CARBON	100 5% 1/4W
R714	1-249-429-11	CARBON	10K 5% 1/4W	R759	1-247-807-31	CARBON	100 5% 1/4W
R715	1-249-429-11	CARBON	10K 5% 1/4W	R760	1-247-807-31	CARBON	100 5% 1/4W
R716	1-247-807-31	CARBON	100 5% 1/4W	R761	1-247-807-31	CARBON	100 5% 1/4W
R717	1-247-807-31	CARBON	100 5% 1/4W	R762	1-249-429-11	CARBON	10K 5% 1/4W
R718	1-247-807-31	CARBON	100 5% 1/4W	R763	1-249-429-11	CARBON	10K 5% 1/4W
R719	1-247-807-31	CARBON	100 5% 1/4W	R764	1-249-429-11	CARBON	10K 5% 1/4W
R720	1-247-807-31	CARBON	100 5% 1/4W	R801	1-249-417-11	CARBON	1K 5% 1/4W F
R721	1-247-807-31	CARBON	100 5% 1/4W			(N355:AEP, UK, G, IT, EE)	
R724	1-247-807-31	CARBON	100 5% 1/4W	R802	1-249-417-11	CARBON	1K 5% 1/4W F
R725	1-247-807-31	CARBON	100 5% 1/4W	R803	1-249-437-11	CARBON	47K 5% 1/4W
R726	1-247-807-31	CARBON	100 5% 1/4W	R804	1-249-417-11	CARBON	1K 5% 1/4W F
R727	1-247-807-31	CARBON	100 5% 1/4W	R805	1-247-897-11	CARBON	560K 5% 1/4W
R728	1-247-807-31	CARBON	100 5% 1/4W	R806	1-249-437-11	CARBON	47K 5% 1/4W
R729	1-247-807-31	CARBON	100 5% 1/4W	R807	1-249-417-11	CARBON	1K 5% 1/4W F
R730	1-247-807-31	CARBON	100 5% 1/4W	R808	1-249-441-11	CARBON	100K 5% 1/4W
R731	1-247-807-31	CARBON	100 5% 1/4W	R809	1-247-815-91	CARBON	220 5% 1/4W
						(N355:AEP, UK, G, IT, EE)	

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R821	1-249-417-11	CARBON	1K 5% 1/4W F	R956	1-247-895-91	CARBON	470K 5% 1/4W
R822	1-249-441-11	CARBON	100K 5% 1/4W	R957	1-249-437-11	CARBON	47K 5% 1/4W
R825	1-247-887-00	CARBON	220K 5% 1/4W	R958	1-249-429-11	CARBON	10K 5% 1/4W
R826	1-249-441-11	CARBON	100K 5% 1/4W	R959	1-249-411-11	CARBON	330 5% 1/4W
R829	1-249-421-11	CARBON	2. 2K 5% 1/4W F	R960	1-249-429-11	CARBON	10K 5% 1/4W
R830	1-249-429-11	CARBON	10K 5% 1/4W	R961	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R851	1-249-417-11	CARBON	1K 5% 1/4W F (N355:AEP, UK, G, IT, EE)	R962	1-249-441-11	CARBON	100K 5% 1/4W
R852	1-249-417-11	CARBON	1K 5% 1/4W F	R963	1-249-429-11	CARBON	10K 5% 1/4W
R853	1-249-437-11	CARBON	47K 5% 1/4W	R964	1-249-437-11	CARBON	47K 5% 1/4W
R854	1-249-417-11	CARBON	1K 5% 1/4W F	R965	1-249-441-11	CARBON	100K 5% 1/4W
R855	1-247-897-11	CARBON	560K 5% 1/4W	R966	1-249-441-11	CARBON	100K 5% 1/4W
R856	1-249-437-11	CARBON	47K 5% 1/4W	R967	1-247-903-00	CARBON	1M 5% 1/4W (N355K:MY)
R857	1-249-417-11	CARBON	1K 5% 1/4W F	R968	1-249-429-11	CARBON	10K 5% 1/4W
R858	1-249-441-11	CARBON	100K 5% 1/4W	R970	1-247-903-00	CARBON	1M 5% 1/4W
R859	1-247-815-91	CARBON	220 5% 1/4W (N355:AEP, UK, G, IT, EE)	R1001	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R871	1-249-417-11	CARBON	1K 5% 1/4W F	R1002	1-247-815-91	CARBON	220 5% 1/4W
R872	1-249-441-11	CARBON	100K 5% 1/4W	R1003	1-249-417-11	CARBON	1K 5% 1/4W F
R901	1-249-425-11	CARBON	4. 7K 5% 1/4W F	R1007	1-249-417-11	CARBON	1K 5% 1/4W F
R902	1-249-425-11	CARBON	4. 7K 5% 1/4W F	R1020	1-247-815-91	CARBON	220 5% 1/4W
R903	1-249-437-11	CARBON	47K 5% 1/4W	R1021	1-247-815-91	CARBON	220 5% 1/4W
R905	1-249-441-11	CARBON	100K 5% 1/4W	R1022	1-249-421-11	CARBON	2. 2K 5% 1/4W F
R906	1-247-895-91	CARBON	470K 5% 1/4W	R1023	1-249-417-11	CARBON	1K 5% 1/4W F
R907	1-249-437-11	CARBON	47K 5% 1/4W	R1220	1-249-389-11	CARBON	4. 7 5% 1/4W F
R908	1-249-429-11	CARBON	10K 5% 1/4W	R1221	1-249-389-11	CARBON	4. 7 5% 1/4W F
R909	1-249-411-11	CARBON	330 5% 1/4W	R1222	1-247-815-91	CARBON	220 5% 1/4W (N355K)
R910	1-249-429-11	CARBON	10K 5% 1/4W	R1222	1-260-091-11	CARBON	220 5% 1/2W (N355)
R911	1-249-421-11	CARBON	2. 2K 5% 1/4W F	R1222	1-260-093-11	CARBON	330 5% 1/2W (D570)
R912	1-249-441-11	CARBON	100K 5% 1/4W	R1223	1-247-815-91	CARBON	220 5% 1/4W (N355K)
R913	1-249-429-11	CARBON	10K 5% 1/4W	R1223	1-260-091-11	CARBON	220 5% 1/2W (N355)
R914	1-249-437-11	CARBON	47K 5% 1/4W	R1223	1-260-093-11	CARBON	330 5% 1/2W (D570)
R915	1-249-441-11	CARBON	100K 5% 1/4W	△R1226	1-215-917-11	METAL OXIDE	1K 5% 3W F (D570:US)
R916	1-249-441-11	CARBON	100K 5% 1/4W	△R1226	1-216-456-00	METAL OXIDE	820 5% 2W F (N355/N355K)
R917	1-247-903-00	CARBON	1M 5% 1/4W	△R1226	1-215-891-11	METAL OXIDE	680 5% 2W F (D570:CND)
R918	1-249-429-11	CARBON	10K 5% 1/4W	R1233	1-247-854-11	CARBON	9. 1K 5% 1/4W (D570)
R920	1-249-441-11	CARBON	100K 5% 1/4W	R1233	1-249-425-11	CARBON	4. 7K 5% 1/4W F (N355/N355K)
R930	1-249-429-11	CARBON	10K 5% 1/4W	R1234	1-247-854-11	CARBON	9. 1K 5% 1/4W (D570)
R931	1-249-429-11	CARBON	10K 5% 1/4W	R1234	1-249-425-11	CARBON	4. 7K 5% 1/4W F (N355/N355K)
R932	1-249-429-11	CARBON	10K 5% 1/4W	R1235	1-249-435-11	CARBON	33K 5% 1/4W (N355/N355K)
R933	1-247-887-00	CARBON	220K 5% 1/4W	R1235	1-249-437-11	CARBON	47K 5% 1/4W (D570)
R935	1-249-437-11	CARBON	47K 5% 1/4W	R1236	1-249-441-11	CARBON	100K 5% 1/4W
R938	1-247-807-31	CARBON	100 5% 1/4W	R1237	1-249-429-11	CARBON	10K 5% 1/4W
R940	1-249-429-11	CARBON	10K 5% 1/4W	R1238	1-249-419-11	CARBON	1. 5K 5% 1/4W F
R941	1-249-429-11	CARBON	10K 5% 1/4W	R1240	1-249-438-11	CARBON	56K 5% 1/4W
R942	1-249-429-11	CARBON	10K 5% 1/4W	R1241	1-247-791-91	CARBON	22 5% 1/4W
R951	1-249-425-11	CARBON	4. 7K 5% 1/4W F (D570/N355)				
R952	1-249-425-11	CARBON	4. 7K 5% 1/4W F				
R953	1-249-437-11	CARBON	47K 5% 1/4W				
R955	1-249-441-11	CARBON	100K 5% 1/4W				

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R1245	1-247-863-91	CARBON 22K 5% 1/4W (D570/N355/N355K:E, EA, SP, TH, IA)		X702	1-567-098-41	VIBRATOR, CRYSTAL (32kHz)	
R1248	1-249-389-11	CARBON 4.7 5% 1/4W F (N355:AEP, UK, G, IT, EE)		*****			
R1249	1-249-389-11	CARBON 4.7 5% 1/4W F (N355:AEP, UK, G, IT, EE)		*	A-2007-435-A	MD BOARD, COMPLETE ***** (including MOTOR board)	
R1250	1-249-429-11	CARBON 10K 5% 1/4W					
R1264	1-249-429-11	CARBON 10K 5% 1/4W				MOTOR BOARD	
R1265	1-249-429-11	CARBON 10K 5% 1/4W				< CAPACITOR >	
R1266	1-249-429-11	CARBON 10K 5% 1/4W					
R1267	1-249-429-11	CARBON 10K 5% 1/4W					
R1270	1-249-389-11	CARBON 4.7 5% 1/4W F		C301	1-162-289-31	CERAMIC 390PF 10% 50V	
R1271	1-249-389-11	CARBON 4.7 5% 1/4W F		C302	1-126-968-11	ELECT 100uF 20% 6.3V	
R1272	1-247-815-91	CARBON 220 5% 1/4W (N355K)		C303	1-162-282-31	CERAMIC 100PF 10% 50V	
R1272	1-260-091-11	CARBON 220 5% 1/2W (N355)		C304	1-130-483-00	MYLAR 0.01uF 5% 50V	
R1272	1-260-093-11	CARBON 330 5% 1/2W (D570)		C305	1-107-715-11	ELECT 22uF 20% 16V	
R1273	1-247-815-91	CARBON 220 5% 1/4W (N355K)		C311	1-162-289-31	CERAMIC 390PF 10% 50V	
R1273	1-260-091-11	CARBON 220 5% 1/2W (N355)		C313	1-162-282-31	CERAMIC 100PF 10% 50V	
R1273	1-260-093-11	CARBON 330 5% 1/2W (D570)		C314	1-130-487-00	MYLAR 0.022uF 5% 50V	
R1290	1-249-437-11	CARBON 47K 5% 1/4W		C315	1-126-233-11	ELECT 22uF 20% 50V	
R1295	1-247-863-91	CARBON 22K 5% 1/4W		C331	1-137-427-11	FILM 120PF 5% 50V	
R1298	1-249-389-11	CARBON 4.7 5% 1/4W F (N355:AEP, UK, G, IT, EE)		C332	1-162-288-31	CERAMIC 330PF 10% 50V	
R1299	1-249-389-11	CARBON 4.7 5% 1/4W F (N355:AEP, UK, G, IT, EE)		C333	1-162-209-31	CERAMIC 27PF 5% 50V	
R1303	1-249-425-11	CARBON 4.7K 5% 1/4W F		C401	1-162-289-31	CERAMIC 390PF 10% 50V	
R1304	1-249-425-11	CARBON 4.7K 5% 1/4W F		C402	1-126-968-11	ELECT 100uF 20% 6.3V	
R1311	1-249-425-11	CARBON 4.7K 5% 1/4W F (D570)		C403	1-162-282-31	CERAMIC 100PF 10% 50V	
R1312	1-249-441-11	CARBON 100K 5% 1/4W (D570)		C404	1-130-483-00	MYLAR 0.01uF 5% 50V	
R1313	1-249-421-11	CARBON 2.2K 5% 1/4W F (D570)		C405	1-107-715-11	ELECT 22uF 20% 16V	
R1321	1-249-431-11	CARBON 15K 5% 1/4W (D570)		C411	1-162-289-31	CERAMIC 390PF 10% 50V	
R1371	1-249-431-11	CARBON 15K 5% 1/4W (D570)		C413	1-162-282-31	CERAMIC 100PF 10% 50V	
		< VARIABLE RESISTOR >		C414	1-130-487-00	MYLAR 0.022uF 5% 50V	
RV301	1-238-600-11	RES, ADJ, CARBON 10K		C415	1-126-233-11	ELECT 22uF 20% 50V	
RV351	1-238-600-11	RES, ADJ, CARBON 10K		C431	1-137-427-11	FILM 120PF 5% 50V	
		< RELAY >		C432	1-162-288-31	CERAMIC 330PF 10% 50V	
RY1201	1-515-356-00	RELAY (D570)		C433	1-162-209-31	CERAMIC 27PF 5% 50V	
RY1201	1-515-920-11	RELAY (24V) (N355/N355K)		C601	1-126-157-11	ELECT 10uF 20% 16V	
		< TERMINAL >		C602	1-126-157-11	ELECT 10uF 20% 16V	
TM1201	1-537-240-31	TERMINAL BOARD (CHECKER PIN) (SPEAKER) (D570/N355:E, MX, AR, AUS, PX/N355K)		C611	1-124-907-11	ELECT 10uF 20% 50V	
TM1201	1-537-801-11	TERMINAL BOARD (SPEAKER) (N355:AEP, UK, G, IT, EE)		C612	1-124-907-11	ELECT 10uF 20% 50V	
TM1202	1-537-240-31	TERMINAL BOARD (CHECKER PIN) (SURROUND SPEAKER)		C621	1-137-150-11	FILM 0.01uF 5% 100V	
		< VIBRATOR >		C622	1-126-961-11	ELECT 2.2uF 20% 50V	
X701	1-579-175-11	VIBRATOR, CERAMIC (10MHz)		C623	1-136-155-00	FILM 0.015uF 5% 50V	
				C624	1-130-481-00	MYLAR 0.0068uF 5% 50V	
				C625	1-130-481-00	MYLAR 0.0068uF 5% 50V	
				C627	1-124-903-11	ELECT 1uF 20% 50V	
				C628	1-136-153-00	FILM 0.01uF 5% 50V	
				C642	1-104-664-11	ELECT 47uF 20% 16V	
				C651	1-161-494-00	CERAMIC 0.022uF 25V	
						< CONNECTOR >	
				* CN601	1-568-864-11	SOCKET, CONNECTOR 21P	

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
* CN602	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P		R623	1-249-432-11	CARBON 18K 5% 1/4W	
* CN651	1-564-521-11	PLUG, CONNECTOR 6P		R624	1-249-432-11	CARBON 18K 5% 1/4W	
< IC >				R625	1-249-429-11	CARBON 10K 5% 1/4W	
IC601	8-759-710-59	IC NJM4580D-D		R651	1-247-856-00	CARBON 11K 5% 1/4W	
IC602	8-759-143-54	IC uPC1330HA		R652	1-247-856-00	CARBON 11K 5% 1/4W	
IC611	8-759-710-59	IC NJM4580D-D		R653	1-249-441-11	CARBON 100K 5% 1/4W	
< COIL >				< VARIABLE RESISTOR >			
L331	1-410-780-11	INDUCTOR 27mH		RV301	1-238-598-11	RES, ADJ, CARBON 2.2K	
L431	1-410-780-11	INDUCTOR 27mH		RV311	1-238-598-11	RES, ADJ, CARBON 2.2K	
< MOTOR >				RV341	1-238-551-11	RES, ADJ, CARBON 220K	
M2	X-3369-111-1	MOTOR ASSY (TRIGGER)		RV401	1-238-598-11	RES, ADJ, CARBON 2.2K	
< TRANSISTOR >				RV411	1-238-598-11	RES, ADJ, CARBON 2.2K	
Q621	8-729-142-46	TRANSISTOR 2SC2001-LK		RV441	1-238-551-11	RES, ADJ, CARBON 220K	
Q622	8-729-142-46	TRANSISTOR 2SC2001-LK		RV651	1-238-599-11	RES, ADJ, CARBON 4.7K	
Q623	8-729-801-93	TRANSISTOR 2SD1387		RV652	1-238-599-11	RES, ADJ, CARBON 4.7K	
Q651	8-729-900-65	TRANSISTOR DTA144ES		< TRANSFORMER >			
< RESISTOR >				T621	1-423-980-11	TRANSFORMER, BIAS OSCILLATION	
R301	1-247-881-00	CARBON 120K 5% 1/4W		*****			
R302	1-249-409-11	CARBON 220 5% 1/4W F		* 1-659-414-11	MIC BOARD (N355:E, MX, AR, AUS, PX/N355K)		
R303	1-249-433-11	CARBON 22K 5% 1/4W		*****			
R304	1-247-889-00	CARBON 270K 5% 1/4W		< CAPACITOR >			
R305	1-247-858-11	CARBON 13K 5% 1/4W		C901	1-162-306-11	CERAMIC 0.01uF 30% 16V	
R311	1-247-881-00	CARBON 120K 5% 1/4W		C903	1-162-294-31	CERAMIC 0.001uF 10% 50V	
R312	1-247-807-31	CARBON 100 5% 1/4W		C904	1-124-257-00	ELECT 2.2uF 20% 50V	
R314	1-247-882-11	CARBON 130K 5% 1/4W		C905	1-162-215-31	CERAMIC 47PF 5% 50V	
R315	1-247-850-11	CARBON 6.2K 5% 1/4W		C906	1-162-290-31	CERAMIC 470PF 10% 50V	
R331	1-249-430-11	CARBON 12K 5% 1/4W		C907	1-136-160-00	FILM 0.039uF 5% 50V	
R401	1-247-881-00	CARBON 120K 5% 1/4W		C908	1-124-257-00	ELECT 2.2uF 20% 50V	
R402	1-249-409-11	CARBON 220 5% 1/4W F		C909	1-162-215-31	CERAMIC 47PF 5% 50V	
R403	1-249-433-11	CARBON 22K 5% 1/4W		C910	1-162-286-21	CERAMIC 220PF 10% 50V	
R404	1-247-889-00	CARBON 270K 5% 1/4W		(N355:E, MX, AR, AUS, PX)			
R405	1-247-858-11	CARBON 13K 5% 1/4W		C910	1-162-290-31	CERAMIC 470PF 10% 50V(N355K)	
R411	1-247-881-00	CARBON 120K 5% 1/4W		C911	1-126-963-11	ELECT 4.7uF 20% 50V	
R412	1-247-807-31	CARBON 100 5% 1/4W		C921	1-162-306-11	CERAMIC 0.01uF 30% 16V(N355K)	
R414	1-247-882-11	CARBON 130K 5% 1/4W		C931	1-126-157-11	ELECT 10uF 20% 16V(N355K)	
R415	1-247-850-11	CARBON 6.2K 5% 1/4W		C931	1-126-964-11	ELECT 10uF 20% 50V	
R431	1-249-430-11	CARBON 12K 5% 1/4W		(N355:E, MX, AR, AUS, PX)			
R601	1-249-409-11	CARBON 220 5% 1/4W F		C941	1-126-157-11	ELECT 10uF 20% 16V(N355K)	
R602	1-249-409-11	CARBON 220 5% 1/4W F		C941	1-126-964-11	ELECT 10uF 20% 50V	
R608	1-249-409-11	CARBON 220 5% 1/4W F		(N355:E, MX, AR, AUS, PX)			
R609	1-249-433-11	CARBON 22K 5% 1/4W		C991	1-164-159-21	CERAMIC 0.1uF 50V	
R611	1-249-409-11	CARBON 220 5% 1/4W F		(N355:E, MX, AR, AUS, PX/N355K)			
R612	1-249-409-11	CARBON 220 5% 1/4W F		< IC >			
△R621	1-212-851-00	FUSIBLE 5.6 5% 1/4W F		IC901	8-759-634-51	IC M5218AP	
△R622	1-212-851-00	FUSIBLE 5.6 5% 1/4W F					

The components identified by mark △ or dotted line with mark △ are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

# MIC PANEL

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
< JACK >							
J901	1-573-151-11	JACK, LARGE TYPE (MIC)		C506	1-124-584-11	ELECT	100uF 20% 10V
		(N355:E, MX, AR, AUS, PX)		C511	1-164-159-21	CERAMIC	0. 1uF 50V
J901	1-573-151-11	JACK, LARGE TYPE (MIC 1) (N355K)		C512	1-164-159-21	CERAMIC	0. 1uF 50V
J902	1-573-151-11	JACK, LARGE TYPE (MIC 2) (N355K)		C513	1-164-159-21	CERAMIC	0. 1uF 50V
				C514	1-164-159-21	CERAMIC	0. 1uF 50V
< RESISTOR >							
R901	1-249-429-11	CARBON	10K 5% 1/4W	C515	1-126-793-11	ELECT	33uF 20% 35V
R902	1-249-417-11	CARBON	1K 5% 1/4W F	C518	1-126-157-11	ELECT	10uF 20% 16V
R903	1-249-441-11	CARBON	100K 5% 1/4W	C519	1-164-159-21	CERAMIC	0. 1uF 50V
R904	1-249-417-11	CARBON	1K 5% 1/4W F	C520	1-164-159-21	CERAMIC	0. 1uF 50V
R905	1-247-863-91	CARBON	22K 5% 1/4W	C521	1-164-159-21	CERAMIC	0. 1uF 50V
R906	1-247-840-00	CARBON	2. 4K 5% 1/4W (N355K)	C522	1-164-159-21	CERAMIC	0. 1uF 50V
R906	1-249-421-11	CARBON	2. 2K 5% 1/4W F	C523	1-126-177-11	ELECT	100uF 20% 10V
			(N355:E, MX, AR, AUS, PX)	C524	1-126-177-11	ELECT	100uF 20% 10V
R907	1-247-863-91	CARBON	22K 5% 1/4W (N355K)	C545	1-162-306-11	CERAMIC	0. 01uF 30% 16V
R907	1-249-436-11	CARBON	39K 5% 1/4W	C546	1-162-306-11	CERAMIC	0. 01uF 30% 16V
			(N355:E, MX, AR, AUS, PX)				
R911	1-249-441-11	CARBON	100K 5% 1/4W (N355K)	C547	1-126-157-11	ELECT	10uF 20% 16V
				C549	1-126-177-11	ELECT	100uF 20% 10V
R921	1-249-429-11	CARBON	10K 5% 1/4W (N355K)	C591	1-164-159-21	CERAMIC	0. 1uF 50V
R922	1-249-417-11	CARBON	1K 5% 1/4W F	C601	1-126-157-11	ELECT	10uF 20% 16V
			(N355K)	C832	1-130-473-00	MYLAR	0. 0015uF 5% 50V
R931	1-247-887-00	CARBON	220K 5% 1/4W				(N355:E, MX, AR, AUS, PX/N355K)
< VARIABLE RESISTOR >				C833	1-126-301-11	ELECT	1uF 20% 50V
RV901	1-223-983-11	RES, VAR, CARBON 50K					(N355:E, MX, AR, AUS, PX/N355K)
*****				C834	1-130-479-00	MYLAR	0. 0047uF 5% 50V
*	A-4389-673-A	PANEL BOARD, COMPLETE					(N355:E, MX, AR, AUS, PX/N355K)
		*****		C835	1-126-301-11	ELECT	1uF 20% 50V
		(D570/N355:AEP, UK, G, IT, EE)					(N355:E, MX, AR, AUS, PX/N355K)
*	A-4389-678-A	PANEL BOARD, COMPLETE		C836	1-136-495-11	FILM	0. 068uF 5% 50V
		*****					(N355:E, MX, AR, AUS, PX/N355K)
		(N355:E, MX, AR, AUS, PX)		C837	1-126-786-11	ELECT	47uF 20% 16V
							(N355:E, MX, AR, AUS, PX/N355K)
*	A-4390-148-A	PANEL BOARD, COMPLETE (N355K:MY)		C838	1-136-165-00	FILM	0. 1uF 5% 50V
		*****					(N355:E, MX, AR, AUS, PX/N355K)
				C839	1-136-165-00	FILM	0. 1uF 5% 50V
							(N355:E, MX, AR, AUS, PX/N355K)
*	A-4390-155-A	PANEL BOARD, COMPLETE (N355K:E, EA, SP, IA)		C840	1-162-305-11	CERAMIC	0. 0068uF 30% 16V
		*****					(N355:E, MX, AR, AUS, PX/N355K)
				C841	1-136-495-11	FILM	0. 068uF 5% 50V
							(N355:E, MX, AR, AUS, PX/N355K)
*	A-4390-205-A	PANEL BOARD, COMPLETE (N355K:TH)		C842	1-130-479-00	MYLAR	0. 0047uF 5% 50V
		*****					(N355:E, MX, AR, AUS, PX/N355K)
				C843	1-130-473-00	MYLAR	0. 0015uF 5% 50V
							(N355:E, MX, AR, AUS, PX/N355K)
	4-971-014-11	HOLDER, FL TUBE		C844	1-126-786-11	ELECT	1uF 20% 50V
							(N355:E, MX, AR, AUS, PX/N355K)
< CAPACITOR >				C845	1-161-494-00	CERAMIC	0. 022uF 25V
C501	1-126-160-11	ELECT	1uF 20% 50V				(N355:E, MX, AR, AUS, PX/N355K)
C502	1-164-159-21	CERAMIC	0. 1uF 50V	C846	1-126-177-11	ELECT	100uF 20% 10V
C503	1-126-160-11	ELECT	1uF 20% 50V				(N355:E, MX, AR, AUS, PX/N355K)
C504	1-164-159-21	CERAMIC	0. 1uF 50V	C847	1-164-159-11	CERAMIC	0. 1uF 50V
C505	1-162-294-31	CERAMIC	0. 001uF 10% 50V				(N355:E, MX, AR, AUS, PX/N355K)
				C848	1-162-290-31	CERAMIC	470PF 10% 50V
							(N355:E, MX, AR, AUS, PX/N355K)

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C849	1-162-290-31	CERAMIC	470PF 10% 50V (N355:E, MX, AR, AUS, PX/N355K)	< DIODE >			
C850	1-126-177-11	ELECT	100uF 20% 10V (N355:E, MX, AR, AUS, PX/N355K)	D511	8-719-987-63	DIODE 1N4148M	
C861	1-126-096-11	ELECT	10uF 20% 35V (N355:E, MX, AR, AUS, PX/N355K)	D512	8-719-987-63	DIODE 1N4148M	
C862	1-126-096-11	ELECT	10uF 20% 35V (N355:E, MX, AR, AUS, PX/N355K)	D601	8-719-058-03	DIODE SEL5423E-TP15 (TUNER/BAND)	
				D602	8-719-058-03	DIODE SEL5423E-TP15 (TUNER/BAND)	
				D611	8-719-058-04	DIODE SEL5223S-TP15 (EFFECT)	
C863	1-164-159-11	CERAMIC	0. 1uF 50V (N355:E, MX, AR, AUS, PX/N355K)	D612	8-719-058-04	DIODE SEL5223S-TP15 (ROCK, GAME)	
C864	1-126-157-11	ELECT	10uF 20% 16V (N355:E, MX, AR, AUS, PX/N355K)	D613	8-719-058-04	DIODE SEL5223S-TP15 (POPS, DANCE)	
C865	1-164-159-11	CERAMIC	0. 1uF 50V (N355:E, MX, AR, AUS, PX/N355K)	D614	8-719-058-04	DIODE SEL5223S-TP15 (JAZZ, STADIUM)	
C867	1-124-455-00	ELECT	100uF 20% 16V (N355:E, MX, AR, AUS, PX/N355K)	D615	8-719-058-04	DIODE SEL5223S-TP15 (CLASSIC, STUDIO)	
C882	1-162-215-31	CERAMIC	47PF 5% 50V (N355:E, MX, AR, AUS, PX/N355K)	D616	8-719-058-04	DIODE SEL5223S-TP15 (SALSA, CHURCH)	
				D617	8-719-058-04	DIODE SEL5223S-TP15 (P FILE)	
C884	1-162-290-31	CERAMIC	470PF 10% 50V (N355:E, MX, AR, AUS, PX/N355K)	D618	8-719-058-04	DIODE SEL5223S-TP15 (MORE 5)	
C885	1-162-282-31	CERAMIC	100PF 10% 50V (N355:E, MX, AR, AUS, PX/N355K)	D619	8-719-057-09	DIODE LNJ801LPDJA (ENTER/NEXT)	
C886	1-124-257-00	ELECT	2. 2uF 20% 50V (N355:E, MX, AR, AUS, PX/N355K)	D620	8-719-058-04	DIODE SEL5223S-TP15 (SELECT 5)	
C887	1-162-215-31	CERAMIC	47PF 5% 50V (N355:E, MX, AR, AUS, PX/N355K)	D621	8-719-057-97	DIODE SEL5923A-TP15 (ECHO) (N355K)	
C3002	1-164-159-21	CERAMIC	0. 1uF 50V	D622	8-719-058-04	DIODE SEL5223S-TP15 (KEY CONTROL) (N355K)	
C3010	1-162-294-31	CERAMIC	0. 001uF 10% 50V	D861	8-719-987-63	DIODE 1N4148M (N355:E, MX, AR, AUS, PX/N355K)	
C3034	1-124-584-00	ELECT	100uF 20% 10V	D862	8-719-987-63	DIODE 1N4148M (N355:E, MX, AR, AUS, PX/N355K)	
C3046	1-124-584-00	ELECT	100uF 20% 10V	D3026	8-719-987-63	DIODE 1N4148M	
C3047	1-164-159-21	CERAMIC	0. 1uF 50V	D3027	8-719-987-63	DIODE 1N4148M	
C3048	1-126-177-11	ELECT	100uF 20% 10V	D3028	8-719-987-63	DIODE 1N4148M	
C3049	1-164-159-21	CERAMIC	0. 1uF 50V	D3029	8-719-987-63	DIODE 1N4148M	
C3201	1-126-163-11	ELECT	4. 7uF 20% 50V	D3201	8-719-987-63	DIODE 1N4148M	
C3202	1-136-169-00	FILM	0. 22uF 5% 50V	D3211	8-719-987-63	DIODE 1N4148M	
C3203	1-124-464-11	ELECT	0. 22uF 20% 50V	D3221	8-719-987-63	DIODE 1N4148M	
C3211	1-126-160-11	ELECT	1uF 20% 50V	D3231	8-719-987-63	DIODE 1N4148M	
C3212	1-136-155-00	FILM	0. 015uF 5% 50V	< FLUORESCENT INDICATOR >			
C3213	1-124-464-11	ELECT	0. 22uF 20% 50V	FL501	1-517-490-21	INDICATOR TUBE, FLUORESCENT	
C3221	1-136-167-00	FILM	0. 15uF 5% 50V	< IC >			
C3222	1-162-302-11	CERAMIC	0. 0022uF 30% 16V	IC501	8-759-375-43	IC ASD0204-012-3BA	
C3223	1-124-464-11	ELECT	0. 22uF 20% 50V	IC502	8-759-339-53	IC GP1U28XB	
C3232	1-162-293-31	CERAMIC	820PF 10% 50V	IC503	8-759-140-53	IC uPD4053BC	
C3233	1-124-464-11	ELECT	0. 22uF 20% 50V	IC504	8-759-916-14	IC SN74HC04AN	
				IC806	8-759-265-83	IC M65843FP (N355:E, MX, AR, AUS, PX/N355K)	
				IC808	8-759-634-51	IC M5218AP (N355:E, MX, AR, AUS, PX/N355K)	
				IC861	8-759-140-53	IC uPD4053BC (N355:E, MX, AR, AUS, PX/N355K)	
< CONNECTOR >				< COIL >			
CN501	1-568-802-11	SOCKET, CONNECTOR 19P (D570/N355:AEP, UK, G, IT, EE)		L511	1-410-521-11	INDUCTOR 100uH	
CN501	1-568-838-11	SOCKET, CONNECTOR 21P (N355:E, MX, AR, AUS, PX)		L840	1-410-521-11	INDUCTOR 100uH (N355:E, MX, AR, AUS, PX/N355K)	
* CN501	1-568-841-11	SOCKET, CONNECTOR 25P (N355K)					



# PANEL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< TRANSISTOR >							
Q601	8-729-422-57	TRANSISTOR UN4111		R531	1-249-407-11	CARBON 150 5% 1/4W F	
Q603	8-729-422-57	TRANSISTOR UN4111		R532	1-249-407-11	CARBON 150 5% 1/4W F	
Q605	8-729-422-57	TRANSISTOR UN4111		R548	1-249-419-11	CARBON 1.5K 5% 1/4W F	
Q611	8-729-119-76	TRANSISTOR 2SA1175-HFE		R549	1-247-807-31	CARBON 100 5% 1/4W	
Q612	8-729-119-76	TRANSISTOR 2SA1175-HFE		R550	1-249-407-11	CARBON 150 5% 1/4W F	
Q621	8-729-119-76	TRANSISTOR 2SA1175-HFE		R551	1-249-407-11	CARBON 150 5% 1/4W F	
Q622	8-729-119-76	TRANSISTOR 2SA1175-HFE		R552	1-247-815-91	CARBON 220 5% 1/4W	
Q623	8-729-119-76	TRANSISTOR 2SA1175-HFE		R553	1-249-429-11	CARBON 10K 5% 1/4W	
Q624	8-729-119-76	TRANSISTOR 2SA1175-HFE		R554	1-249-441-11	CARBON 100K 5% 1/4W	
Q625	8-729-119-76	TRANSISTOR 2SA1175-HFE		R564	1-249-419-11	CARBON 1.5K 5% 1/4W F	
Q626	8-729-900-80	TRANSISTOR DTC114ES (N355K)		R565	1-247-807-31	CARBON 100 5% 1/4W	
Q629	8-729-119-76	TRANSISTOR 2SA1175-HFE		R566	1-249-407-11	CARBON 150 5% 1/4W F	
Q630	8-729-119-76	TRANSISTOR 2SA1175-HFE		R567	1-249-407-11	CARBON 150 5% 1/4W F	
Q631	8-729-119-76	TRANSISTOR 2SA1175-HFE		R586	1-247-815-91	CARBON 220 5% 1/4W	
Q632	8-729-119-76	TRANSISTOR 2SA1175-HFE		R588	1-247-815-91	CARBON 220 5% 1/4W	
Q633	8-729-119-76	TRANSISTOR 2SA1175-HFE		R591	1-249-403-11	CARBON 68 5% 1/4W F	
Q634	8-729-119-76	TRANSISTOR 2SA1175-HFE		R592	1-249-401-11	CARBON 47 5% 1/4W F	
Q635	8-729-900-80	TRANSISTOR DTC114ES (N355K)		R593	1-249-403-11	CARBON 68 5% 1/4W F	
Q636	8-729-119-78	TRANSISTOR 2SC403SP-51		R594	1-249-401-11	CARBON 47 5% 1/4W F	
Q3151	8-729-900-80	TRANSISTOR DTC114ES		R611	1-249-429-11	CARBON 10K 5% 1/4W	
Q3152	8-729-903-02	TRANSISTOR DTA143XS		R612	1-249-421-11	CARBON 2.2K 5% 1/4W F	
< RESISTOR >				R613	1-249-429-11	CARBON 10K 5% 1/4W	
R501	1-249-419-11	CARBON 1.5K 5% 1/4W F		R614	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R502	1-249-401-11	CARBON 47 5% 1/4W F		R625	1-247-815-91	CARBON 220 5% 1/4W (N355K)	
R503	1-249-403-11	CARBON 68 5% 1/4W F		R626	1-249-411-11	CARBON 330 5% 1/4W (N355K)	
R504	1-247-807-31	CARBON 100 5% 1/4W		R633	1-247-807-31	CARBON 100 5% 1/4W	
R505	1-249-407-11	CARBON 150 5% 1/4W F		R634	1-247-807-31	CARBON 100 5% 1/4W	
R506	1-249-407-11	CARBON 150 5% 1/4W F		R635	1-247-807-31	CARBON 100 5% 1/4W	
R507	1-247-815-91	CARBON 220 5% 1/4W		R636	1-247-807-31	CARBON 100 5% 1/4W	
R508	1-249-411-11	CARBON 330 5% 1/4W		R637	1-247-807-31	CARBON 100 5% 1/4W	
R509	1-249-413-11	CARBON 470 5% 1/4W F		R641	1-249-406-11	CARBON 120 5% 1/4W F	
R510	1-249-415-11	CARBON 680 5% 1/4W F		R642	1-247-807-31	CARBON 100 5% 1/4W	
R511	1-249-417-11	CARBON 1K 5% 1/4W F		R643	1-247-807-31	CARBON 100 5% 1/4W	
R517	1-249-419-11	CARBON 1.5K 5% 1/4W F		R644	1-249-406-11	CARBON 120 5% 1/4W F	
R518	1-249-401-11	CARBON 47 5% 1/4W F		R645	1-249-407-11	CARBON 150 5% 1/4W F	
R519	1-249-403-11	CARBON 68 5% 1/4W F		R646	1-249-406-11	CARBON 120 5% 1/4W F	
R520	1-247-807-31	CARBON 100 5% 1/4W		R648	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R521	1-249-407-11	CARBON 150 5% 1/4W F		R698	1-249-393-11	CARBON 10 5% 1/4W F	
R522	1-249-407-11	CARBON 150 5% 1/4W F		R700	1-249-393-11	CARBON 10 5% 1/4W F	
R523	1-247-815-91	CARBON 220 5% 1/4W		R705	1-249-429-11	CARBON 10K 5% 1/4W	(N355:E, MX, AR, AUS, PX/N355K)
R524	1-249-411-11	CARBON 330 5% 1/4W		R837	1-249-429-11	CARBON 10K 5% 1/4W	(N355:E, MX, AR, AUS, PX/N355K)
R525	1-249-413-11	CARBON 470 5% 1/4W F		R838	1-249-431-11	CARBON 15K 5% 1/4W	(N355:E, MX, AR, AUS, PX/N355K)
R526	1-249-415-11	CARBON 680 5% 1/4W F		R839	1-249-431-11	CARBON 15K 5% 1/4W	(N355:E, MX, AR, AUS, PX/N355K)
R527	1-249-419-11	CARBON 1.5K 5% 1/4W F		R840	1-249-399-11	CARBON 33 5% 1/4W F	(N355:E, MX, AR, AUS, PX/N355K)
R528	1-249-401-11	CARBON 47 5% 1/4W F		R841	1-249-423-11	CARBON 3.3K 5% 1/4W F	(N355:E, MX, AR, AUS, PX/N355K)
R529	1-249-403-11	CARBON 68 5% 1/4W F					
R530	1-247-807-31	CARBON 100 5% 1/4W					

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R842	1-249-433-11	CARBON	22K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3110	1-247-807-31	CARBON	100 5% 1/4W
R843	1-249-431-11	CARBON	15K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3115	1-247-807-31	CARBON	100 5% 1/4W
R844	1-249-431-11	CARBON	15K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3122	1-247-807-31	CARBON	100 5% 1/4W
R846	1-249-431-11	CARBON	15K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3123	1-247-807-31	CARBON	100 5% 1/4W
R848	1-247-903-00	CARBON	1M 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3124	1-247-807-31	CARBON	100 5% 1/4W
R849	1-249-423-11	CARBON	3.3K 5% 1/4W F (N355:E, MX, AR, AUS, PX/N355K)	R3138	1-247-807-31	CARBON	100 5% 1/4W
R857	1-249-417-11	CARBON	1K 5% 1/4W F (N355:E, MX, AR, AUS, PX/N355K)	R3201	1-249-411-11	CARBON	330 5% 1/4W
R861	1-249-431-11	CARBON	15K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3202	1-249-437-11	CARBON	47K 5% 1/4W
R862	1-249-427-11	CARBON	6.8K 5% 1/4W F (N355:E, MX, AR, AUS, PX/N355K)	R3203	1-247-895-91	CARBON	470K 5% 1/4W
R875	1-247-815-91	CARBON	220 5% 1/4W (N355:E, MX, AR, AUS, PX)	R3204	1-247-895-91	CARBON	470K 5% 1/4W
R884	1-249-435-11	CARBON	33K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3211	1-249-411-11	CARBON	330 5% 1/4W
R885	1-249-429-11	CARBON	10K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3212	1-249-437-11	CARBON	47K 5% 1/4W
R886	1-249-429-11	CARBON	10K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3213	1-247-895-91	CARBON	470K 5% 1/4W
R887	1-249-431-11	CARBON	15K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3214	1-247-895-91	CARBON	470K 5% 1/4W
R888	1-249-429-11	CARBON	10K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3221	1-249-411-11	CARBON	330 5% 1/4W
R889	1-249-429-11	CARBON	10K 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3222	1-249-437-11	CARBON	47K 5% 1/4W
R891	1-247-807-31	CARBON	100 5% 1/4W (N355:E, MX, AR, AUS, PX/N355K)	R3223	1-247-895-91	CARBON	470K 5% 1/4W
R3011	1-247-903-00	CARBON	1M 5% 1/4W	R3224	1-247-895-91	CARBON	470K 5% 1/4W
R3015	1-249-429-11	CARBON	10K 5% 1/4W	R3231	1-247-807-31	CARBON	100 5% 1/4W
R3019	1-249-429-11	CARBON	10K 5% 1/4W	< SWITCH >			
R3020	1-249-429-11	CARBON	10K 5% 1/4W	S501	1-554-303-21	SWITCH, TACTILE (SYSTEM POWER)	
R3021	1-249-429-11	CARBON	10K 5% 1/4W	S502	1-554-303-21	SWITCH, TACTILE (SLEEP)	
R3022	1-249-429-11	CARBON	10K 5% 1/4W	S503	1-554-303-21	SWITCH, TACTILE (CLOCK SET)	
R3023	1-249-429-11	CARBON	10K 5% 1/4W	S504	1-554-303-21	SWITCH, TACTILE (EFFECT)	
R3024	1-249-429-11	CARBON	10K 5% 1/4W	S505	1-554-303-21	SWITCH, TACTILE (ECHO) (N355K)	
R3036	1-249-429-11	CARBON	10K 5% 1/4W	S506	1-554-303-21	SWITCH, TACTILE (KARAOKE PON/MPX) (N355:E, MX, AR, AUS, PX/N355K)	
R3037	1-249-429-11	CARBON	10K 5% 1/4W	S507	1-554-303-21	SWITCH, TACTILE (TUNING MODE)	
R3038	1-249-429-11	CARBON	10K 5% 1/4W	S508	1-554-303-21	SWITCH, TACTILE (>)	
R3041	1-249-429-11	CARBON	10K 5% 1/4W	S509	1-554-303-21	SWITCH, TACTILE (^)	
R3042	1-249-423-11	CARBON	3.3K 5% 1/4W F	S510	1-554-303-21	SWITCH, TACTILE (<)	
R3049	1-249-429-11	CARBON	10K 5% 1/4W	S511	1-554-303-21	SWITCH, TACTILE (v)	
R3050	1-249-429-11	CARBON	10K 5% 1/4W	S517	1-554-303-21	SWITCH, TACTILE (ENTER/NEXT)	
R3051	1-249-429-11	CARBON	10K 5% 1/4W	S518	1-554-303-21	SWITCH, TACTILE (DISPLAY/DEMO)	
R3052	1-249-429-11	CARBON	10K 5% 1/4W	S519	1-554-303-21	SWITCH, TACTILE (REC)	
R3053	1-249-429-11	CARBON	10K 5% 1/4W	S520	1-554-303-21	SWITCH, TACTILE (DAILY 2)	
R3087	1-249-441-11	CARBON	100K 5% 1/4W	S521	1-554-303-21	SWITCH, TACTILE (DAILY 1)	
				S522	1-554-303-21	SWITCH, TACTILE (TIMER SET)	
				S523	1-554-303-21	SWITCH, TACTILE (b DOWN) (N355K)	
				S524	1-554-303-21	SWITCH, TACTILE (# UP) (N355K)	
				S525	1-554-303-21	SWITCH, TACTILE (FUNCTION)	
				S526	1-554-303-21	SWITCH, TACTILE (EQ MEMORY)	
				S527	1-554-303-21	SWITCH, TACTILE (FILE 1)	
				S528	1-554-303-21	SWITCH, TACTILE (FILE 2)	
				S529	1-554-303-21	SWITCH, TACTILE (FILE 3)	
				S530	1-554-303-21	SWITCH, TACTILE (FILE 4)	

# PANEL POWER AMPLIFIER

Ref.No.	Part No.	Description	Remark
S531	1-554-303-21	SWITCH, TACTILE (FILE SELECT)	
S532	1-554-303-21	SWITCH, TACTILE (FILE 5)	
S550	1-554-303-21	SWITCH, TACTILE (SURROUND)	
S551	1-554-303-21	SWITCH, TACTILE (DBFB)	
S552	1-554-303-21	SWITCH, TACTILE (TUNER/BAND)	
S565	1-554-303-21	SWITCH, TACTILE (STEREO/MONO)	
S566	1-554-303-21	SWITCH, TACTILE (TUNER MEMORY)	
S567	1-554-303-21	SWITCH, TACTILE (+ TUNING)	
S568	1-554-303-21	SWITCH, TACTILE (- TUNING)	
S579	1-467-869-11	ENCODER, ROTARY (VOLUME)	
< VIBRATOR >			
X801	1-527-978-00	OSCILLATOR, CERAMIC (320kHz)	(N355K:MY, TH)
X3001	1-579-233-11	VIBRATOR, CERAMIC (4MHz)	
*****			
*	A-4378-988-A	POWER AMPLIFIER BOARD, COMPLETE	
		*****	(N355:AEP, UK, G, IT, EE)
*	A-4378-998-A	POWER AMPLIFIER BOARD, COMPLETE	
		*****	(N355:E, MX, AR, AUS, PX/N355K:E, EA, SP, IA)
*	A-4389-671-A	POWER AMPLIFIER BOARD, COMPLETE	
		*****	(D570:US, CND)
*	A-4390-149-A	POWER AMPLIFIER BOARD, COMPLETE	
		*****	(N355K:MY)
*	A-4390-206-A	POWER AMPLIFIER BOARD, COMPLETE	
		*****	(N355K:TH)
< CAPACITOR >			
C1201	1-128-582-11	ELECT 10uF 20%	100V(D570)
C1201	1-126-963-11	ELECT 4.7uF 20%	50V
			(N355/N355K)
C1202	1-162-288-31	CERAMIC 330PF 10%	50V
C1203	1-162-286-21	CERAMIC 220PF 10%	50V
C1204	1-126-967-11	ELECT 47uF 20%	10V
C1205	1-126-967-11	ELECT 47uF 20%	50V
C1206	1-126-968-11	ELECT 100uF 20%	50V
			(N355/N355K)
C1206	1-128-560-11	ELECT 22uF 20%	100V(D570)
C1207	1-136-165-00	FILM 0.1uF 5%	50V
C1208	1-126-965-11	ELECT 22uF 20%	50V
C1210	1-136-495-11	FILM 0.068uF 5%	50V
C1211	1-136-495-11	FILM 0.068uF 5%	50V
C1220	1-126-924-11	ELECT 330uF 20%	10V

Ref.No.	Part No.	Description	Remark
C1225	1-162-284-31	CERAMIC 150PF 10%	50V
			(N355:AEP, UK, G, IT, EE)
C1251	1-128-582-11	ELECT 10uF 20%	100V(D570)
C1251	1-126-963-11	ELECT 4.7uF 20%	50V
			(N355/N355K)
C1252	1-162-288-31	CERAMIC 330PF 10%	50V
C1253	1-162-286-21	CERAMIC 220PF 10%	50V
C1253	1-162-286-31	CERAMIC 220PF 10%	50V
			(N355K:MY)
C1254	1-126-967-11	ELECT 47uF 20%	10V
C1255	1-126-967-11	ELECT 47uF 20%	50V
C1256	1-126-968-11	ELECT 100uF 20%	50V
			(N355/N355K)
C1256	1-128-560-11	ELECT 22uF 20%	100V(D570)
C1257	1-136-165-00	FILM 0.1uF 5%	50V
C1260	1-136-495-11	FILM 0.068uF 5%	50V
C1261	1-136-495-11	FILM 0.068uF 5%	50V
< CONNECTOR >			
CN1203	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
CN1204	1-691-770-11	PLUG (MICRO CONNECTOR) 8P	
< DIODE >			
D1201	8-719-815-85	DIODE 1S1585 (D570)	
D1201	8-719-987-63	DIODE 1N4148M (N355/N355K)	
D1202	8-719-987-63	DIODE 1N4148M	
D1203	8-719-987-63	DIODE 1N4148M	
D1251	8-719-815-85	DIODE 1S1585 (D570)	
D1251	8-719-987-63	DIODE 1N4148M (N355/N355K)	
< IC >			
IC1201	8-749-900-34	IC STK-4182MK2	
			(N355:E, MX, AR, AUS, PX/N355K)
IC1201	8-749-920-10	IC STK4172MK2 (N355:AEP, UK, G, IT, EE)	
IC1201	8-749-921-68	IC STK-4231MK2 (D570:US, CND)	
< TRANSISTOR >			
Q1201	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1251	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q1301	8-729-900-36	TRANSISTOR DTC124ES (D570)	
Q1302	8-729-900-36	TRANSISTOR DTC124ES (D570)	
< RESISTOR >			
R1201	1-249-417-11	CARBON 1K 5%	1/4W F
R1202	1-249-437-11	CARBON 47K 5%	1/4W
R1203	1-249-413-11	CARBON 470 5%	1/4W F (D570)
R1203	1-249-415-11	CARBON 680 5%	1/4W F
			(N355/N355K)
R1204	1-249-437-11	CARBON 47K 5%	1/4W

## POWER AMPLIFIER

## TABLE SENSOR

## TC CONTROL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R1205	1-260-103-11	CARBON	2.2K 5% 1/2W (N355:AEP, UK, IT, G, EE)	△R1260	1-208-601-11	WIREWOUND	0.1 10% 2W F (D570)
R1205	1-260-105-11	CARBON	3.3K 5% 1/2W (N355:E, MX, AR, AUS, PX/N355K)	△R1260	1-208-602-11	WIREWOUND	0.22 10% 2W F (N355/N355K)
R1205	1-260-107-11	CARBON	4.7K 5% 1/2W (D570)	R1261	1-249-417-11	CARBON	1K 5% 1/4W F
R1207	1-260-103-11	CARBON	2.2K 5% 1/2W (N355:AEP, UK, G, IT, EE)	R1262	1-247-863-91	CARBON	22K 5% 1/4W (D570)
R1207	1-260-105-11	CARBON	3.3K 5% 1/2W (N355:E, MX, AR, AUS, PX/N355K)	R1262	1-249-431-11	CARBON	15K 5% 1/4W (N355/N355K)
R1207	1-260-107-11	CARBON	4.7K 5% 1/2W (D570)	R1263	1-249-441-11	CARBON	100K 5% 1/4W
△R1209	1-212-881-11	FUSIBLE	100 5% 1/4W F	R1268	1-260-076-11	CARBON	10 5% 1/2W
△R1210	1-208-601-11	WIREWOUND	0.1 10% 2W F (D570)	R1300	1-249-441-11	CARBON	100K 5% 1/4W (D570)
△R1210	1-208-602-11	WIREWOUND	0.22 10% 2W F (N355/N355K)	R1301	1-249-441-11	CARBON	100K 5% 1/4W (D570)
R1211	1-249-417-11	CARBON	1K 5% 1/4W F	R1302	1-249-441-11	CARBON	100K 5% 1/4W (D570)
R1212	1-247-863-91	CARBON	22K 5% 1/4W (D570)	△R1303	1-249-383-11	CARBON	1.5 5% 1/4W F (D570:US, CND)
R1212	1-249-431-11	CARBON	15K 5% 1/4W (N355/N355K)	< THERMISTOR >			
R1213	1-249-441-11	CARBON	100K 5% 1/4W	THP12011-807-796-11 THERMISTOR, POSITIVE (D570:US, CND)			
R1214	1-260-099-11	CARBON	1K 5% 1/2W (N355/N355K)	*****			
R1214	1-260-102-11	CARBON	1.8K 5% 1/2W (D570)	*	1-659-058-12	TABLE SENSOR BOARD	
R1217	1-260-099-11	CARBON	1K 5% 1/2W (N355/N355K)	*****			
R1217	1-260-102-11	CARBON	1.8K 5% 1/2W (D570)	< IC >			
R1218	1-260-076-11	CARBON	10 5% 1/2W	IC202 8-749-924-18 PHOTO INTERRUPTER RPI-1391			
R1228	1-247-882-11	CARBON	130K 5% 1/4W (N355/N355K)	< RESISTOR >			
R1228	1-247-891-00	CARBON	330K 5% 1/4W (D570)	R207	1-249-416-11	CARBON	820 5% 1/4W F
R1230	1-249-425-11	CARBON	4.7K 5% 1/4W (D570)	*****			
R1230	1-249-423-11	CARBON	3.3K 5% 1/4W (N355/N355K)	*	1-659-413-11	TC CONTROL BOARD	
R1241	1-249-397-11	CARBON	22 5% 1/4W F (N355K:MY)	*****			
R1242	1-249-429-11	CARBON	10K 5% 1/4W	< DIODE >			
△R1243	1-217-637-00	FUSIBLE	1 5% 1/4W F	D630	8-719-058-03	DIODE	SEL5423E-TP15 (▷) (DECK B)
R1251	1-249-417-11	CARBON	1K 5% 1/4W F	D631	8-719-058-03	DIODE	SEL5423E-TP15 (<) (DECK B)
R1252	1-249-437-11	CARBON	47K 5% 1/4W	D632	8-719-058-03	DIODE	SEL5423E-TP15 (▷) (DECK A)
R1253	1-249-413-11	CARBON	470 5% 1/4W F (D570)	D633	8-719-058-03	DIODE	SEL5423E-TP15 (<) (DECK A)
R1253	1-249-415-11	CARBON	680 5% 1/4W F (N355/N355K)	D634	8-719-058-03	DIODE	SEL5423E-TP15
R1254	1-249-437-11	CARBON	47K 5% 1/4W	D635	8-719-058-03	DIODE	SEL5423E-TP15
R1255	1-260-103-11	CARBON	2.2K 5% 1/2W (N355:AEP, UK, IT, G, EE)	< RESISTOR >			
R1255	1-260-105-11	CARBON	3.3K 5% 1/2W (N355:E, MX, AR, AUS, PX/N355K)	R538	1-247-815-91	CARBON	220 5% 1/4W
R1255	1-260-107-11	CARBON	4.7K 5% 1/2W (D570)	R539	1-249-411-11	CARBON	330 5% 1/4W
R1257	1-260-103-11	CARBON	2.2K 5% 1/2W (N355:AEP, UK, IT, G, EE)	R540	1-249-413-11	CARBON	470 5% 1/4W F
R1257	1-260-105-11	CARBON	3.3K 5% 1/2W (N355:E, MX, AR, AUS, PX/N355K)	R541	1-249-415-11	CARBON	680 5% 1/4W F
R1257	1-260-107-11	CARBON	4.7K 5% 1/2W (D570)	R542	1-249-417-11	CARBON	1K 5% 1/4W F
△R1259	1-212-881-11	FUSIBLE	100 5% 1/4W F	R543	1-249-419-11	CARBON	1.5K 5% 1/4W F
				R544	1-249-421-11	CARBON	2.2K 5% 1/4W F
				R545	1-249-423-11	CARBON	3.3K 5% 1/4W F

The components identified by mark △ or dotted line with mark △ are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

# TC CONTROL

# TC SW

# TCB

Ref. No.	Part No.	Description	Remark
R546	1-249-427-11	CARBON 6.8K 5% 1/4W F	
R547	1-249-431-11	CARBON 15K 5% 1/4W	
R672	1-247-815-91	CARBON 220 5% 1/4W	
R673	1-247-815-91	CARBON 220 5% 1/4W	
< SWITCH >			
S539	1-554-303-21	SWITCH, TACTILE (▶▶) (DECK B)	
S540	1-554-303-21	SWITCH, TACTILE (◀◀) (DECK B)	
S541	1-554-303-21	SWITCH, TACTILE (■) (DECK B)	
S542	1-554-303-21	SWITCH, TACTILE (▷) (DECK B)	
S543	1-554-303-21	SWITCH, TACTILE (◁) (DECK B)	
S544	1-554-303-21	SWITCH, TACTILE (▷) (DECK A)	
S545	1-554-303-21	SWITCH, TACTILE (◁) (DECK A)	
S546	1-554-303-21	SWITCH, TACTILE (▶▶) (DECK A)	
S547	1-554-303-21	SWITCH, TACTILE (◀◀) (DECK A)	
S548	1-554-303-21	SWITCH, TACTILE (■) (DECK A)	
*****			
*	1-659-412-11	TC SW BOARD	
		*****	
< CONNECTOR >			
* CN503	1-568-945-11	PIN, CONNECTOR 7P	
< DIODE >			
D628	8-719-058-17	DIODE LNJ401NPYJA (■)	
D629	8-719-057-09	DIODE LNJ801LPDJA (●)	
< RESISTOR >			
R533	1-249-419-11	CARBON 1.5K 5% 1/4W F	
R534	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R535	1-249-423-11	CARBON 3.3K 5% 1/4W F	
R536	1-249-427-11	CARBON 6.8K 5% 1/4W F	
R537	1-249-431-11	CARBON 15K 5% 1/4W	(D570/N355:AEP, UK, G, IT, EE)
R590	1-249-417-11	CARBON 1K 5% 1/4W F	
R649	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R650	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R651	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R652	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R656	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R657	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R658	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R659	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R660	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R661	1-249-425-11	CARBON 4.7K 5% 1/4W F	
< SWITCH >			
S533	1-554-303-21	SWITCH, TACTILE (CD SYNCHRO)	

Ref. No.	Part No.	Description	Remark
S534	1-554-303-21	SWITCH, TACTILE (HIGH SPEED DUBBING)	
S535	1-554-303-21	SWITCH, TACTILE (■)	
S536	1-554-303-21	SWITCH, TACTILE (● REC)	
S537	1-554-303-21	SWITCH, TACTILE (DIRECTION)	
S538	1-554-303-21	SWITCH, TACTILE (DOLBY NR)	(D570/N355:AEP, UK, G, IT, EE)
*****			
*	A-4303-510-A	TCB BOARD, COMPLETE (D570)	
		*****	
*	A-4303-513-A	TCB BOARD, COMPLETE	
		*****	
		(N355:E, AUS, AR, MX, PX/N355K:E, SP, IA)	
*	A-4303-525-A	TCB BOARD, COMPLETE (N355K:MY)	
		*****	
*	A-4303-555-A	TCB BOARD, COMPLETE (N355K:TH)	
		*****	
< CAPACITOR >			
C1	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C2	1-126-967-11	ELECT 47uF 20% 16V	
C3	1-164-159-21	CERAMIC 0.1uF 50V	
C5	1-162-306-11	CERAMIC 10000PF 30% 16V	
C6	1-162-306-11	CERAMIC 10000PF 30% 16V	
C7	1-101-004-00	CERAMIC 0.01uF 50V	
C8	1-162-306-11	CERAMIC 10000PF 30% 16V	
C9	1-162-306-11	CERAMIC 10000PF 30% 16V	
C11	1-164-159-21	CERAMIC 0.1uF 50V	
C12	1-162-198-31	CERAMIC 8.2PF 10% 50V	
C14	1-162-306-11	CERAMIC 10000PF 30% 16V	
C21	1-102-959-00	CERAMIC 22PF 5% 50V	(EXCEPT N355K:TH)
C21	1-102-960-00	CERAMIC 24PF 5% 50V	(N355K:TH)
C22	1-164-159-21	CERAMIC 0.1uF 50V	
C23	1-162-306-11	CERAMIC 10000PF 30% 16V	
C24	1-126-967-11	ELECT 47uF 20% 16V	
C25	1-162-306-11	CERAMIC 10000PF 30% 16V	
C26	1-126-964-11	ELECT 10uF 20% 50V	
C27	1-164-159-21	CERAMIC 0.1uF 50V	
C28	1-124-925-11	ELECT 2.2uF 20% 100V	
C29	1-102-518-11	CERAMIC 33PF 5% 50V	(EXCEPT N355K:TH)
C29	1-102-960-00	CERAMIC 24PF 5% 50V	(N355K:TH)
C30	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C31	1-162-306-11	CERAMIC 10000PF 30% 16V	
C41	1-126-933-11	ELECT 100uF 20% 10V	
C42	1-162-306-11	CERAMIC 10000PF 30% 16V	

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C43	1-126-962-11	ELECT	3. 3uF 20% 50V			< FRONTEND >	
C44	1-162-306-11	CERAMIC	10000PF 30% 16V				
C45	1-124-589-11	ELECT	47uF 20% 16V	FE1	1-233-533-11	ENCAPSULATED COMPONENT	
C46	1-162-600-11	CERAMIC	4700PF 30% 16V	FE2	1-239-260-11	ENCAPSULATED COMPONENT	
C47	1-162-294-31	CERAMIC	0. 001uF 10% 50V			< IC >	
C48	1-126-160-11	ELECT	1uF 20% 50V				
C49	1-136-159-00	METALIZED FILM	0. 033uF 5% 50V	IC1	8-759-288-54	IC LC72130	
		(N355:E, AUS, AR, MX, PX/N355K:E, SP, MY, TH, IA)		IC2	8-759-176-03	IC LA1835	
C49	1-136-160-00	METALIZED FILM	0. 039uF 5% 50V			< IFT >	
		(N355:E, AUS, AR, MX, PX/N355K:E, SP, MY, TH, IA)					
C50	1-136-159-00	METALIZED FILM	0. 033uF 5% 50V	IFT41	1-409-636-11	TRANSFORMER, IF (CERAMIC FILTER)	
		(N355:E, AUS, AR, MX, PX/N355K:E, SP, MY, TH, IA)				< COIL >	
C50	1-136-160-00	METALIZED FILM	0. 039uF 5% 50V				
		(D570)		L41	1-410-119-11	MICRO INDUCTOR (EL TYPE)	
C51	1-162-600-11	CERAMIC	4700PF 30% 16V			< FILTER >	
		(D570)					
C52	1-162-600-11	CERAMIC	4700PF 30% 16V				
		(D570)		LPF41	1-239-845-11	FILTER, LOW PASS (D570)	
C53	1-126-964-11	ELECT	10uF 20% 50V	LPF42	1-239-845-11	FILTER, LOW PASS (D570)	
C54	1-126-157-11	ELECT	10uF 20% 16V			< TRANSISTOR >	
C55	1-126-964-11	ELECT	10uF 20% 50V				
C56	1-126-964-11	ELECT	10uF 20% 50V	Q1	8-729-230-99	TRANSISTOR 2SC26690Y	
C57	1-164-159-21	CERAMIC	0. 1uF 50V F	Q2	8-729-230-99	TRANSISTOR 2SC26690Y	
C58	1-162-306-11	CERAMIC	10000PF 30% 16V	Q3	8-729-230-99	TRANSISTOR 2SC26690Y	
C59	1-164-159-21	CERAMIC	0. 1uF 50V F	Q4	8-729-230-99	TRANSISTOR 2SC26690Y	
				Q5	8-729-422-57	TRANSISTOR UN4111	
C61	1-164-159-21	CERAMIC	0. 1uF 50V F			< RESISTOR >	
C62	1-126-967-11	ELECT	47uF 20% 16V				
C63	1-164-159-21	CERAMIC	0. 1uF 50V F				
C64	1-124-902-00	ELECT	0. 47uF 20% 50V	R1	1-249-401-11	CARBON 47 5% 1/4W F	
C65	1-124-903-11	ELECT	1. 0uF 20% 50V	R2	1-249-411-11	CARBON 330 5% 1/4W	
C66	1-124-903-11	ELECT	1. 0uF 20% 50V	R3	1-249-411-11	CARBON 330 5% 1/4W	
C67	1-126-964-11	ELECT	10uF 20% 50V	R5	1-249-411-11	CARBON 330 5% 1/4W	
C68	1-162-306-11	CERAMIC	10000PF 30% 16V	R6	1-247-863-91	CARBON 22K 5% 1/4W	
C69	1-162-306-11	CERAMIC	10000PF 30% 16V				
C70	1-162-306-11	CERAMIC	10000PF 30% 16V	R7	1-249-411-11	CARBON 330 5% 1/4W	
C71	1-162-306-11	CERAMIC	10000PF 30% 16V	R8	1-249-411-11	CARBON 330 5% 1/4W	
C73	1-162-306-11	CERAMIC	10000PF 30% 16V	R9	1-247-863-91	CARBON 22K 5% 1/4W	
C74	1-126-964-11	ELECT	10uF 20% 50V	R10	1-249-411-11	CARBON 330 5% 1/4W	
				R11	1-247-863-91	CARBON 22K 5% 1/4W	
		< FILTER >					
CF1	1-567-389-11	FILTER, CERAMIC		R12	1-249-411-11	CARBON 330 5% 1/4W	
CF2	1-567-389-11	FILTER, CERAMIC		R13	1-249-411-11	CARBON 330 5% 1/4W	
		< CONNECTOR >		R14	1-247-863-91	CARBON 22K 5% 1/4W	
				R15	1-249-429-11	CARBON 10K 5% 1/4W	
* CN1	1-568-832-11	SOCKET, CONNECTOR 13P		R16	1-249-437-11	CARBON 47K 5% 1/4W	
		< DIODE >					
				R19	1-249-399-11	CARBON 33 5% 1/4W F	
D1	8-719-933-33	DIODE HZS6A1L		R21	1-247-807-31	CARBON 100 5% 1/4W	
D2	8-719-987-63	DIODE 1N4148M		R22	1-249-425-11	CARBON 4. 7K 5% 1/4W F	
				R23	1-249-425-11	CARBON 4. 7K 5% 1/4W F	
				R24	1-249-425-11	CARBON 4. 7K 5% 1/4W F	
				R25	1-247-807-31	CARBON 100 5% 1/4W	
				R26	1-249-411-11	CARBON 330 5% 1/4W	
				R27	1-249-425-11	CARBON 4. 7K 5% 1/4W F	

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R28	1-249-423-11	CARBON	3.3K 5% 1/4W F	*	A-4303-502-A	TCB BOARD, COMPLETE (N355:AEP, UK)	
R29	1-249-417-11	CARBON	1K 5% 1/4W F			*****	
R30	1-249-417-11	CARBON	1K 5% 1/4W F	*	A-4303-503-A	TCB BOARD, COMPLETE (N355:IT, G)	
R31	1-249-417-11	CARBON	1K 5% 1/4W F			*****	
R32	1-249-417-11	CARBON	1K 5% 1/4W F	*	A-4303-504-A	TCB BOARD, COMPLETE (N355:EE)	
R33	1-247-807-31	CARBON	100 5% 1/4W			*****	
R34	1-249-429-11	CARBON	10K 5% 1/4W	*	A-4303-507-A	TCB BOARD, COMPLETE (N355K:EA)	
R35	1-249-429-11	CARBON	10K 5% 1/4W			*****	
R36	1-249-437-11	CARBON	47K 5% 1/4W			< CAPACITOR >	
R37	1-249-417-11	CARBON	1K 5% 1/4W F	C1	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
R41	1-249-429-11	CARBON	10K 5% 1/4W	C2	1-126-967-11	ELECT 47uF 20% 16V	
R43	1-249-421-11	CARBON	2.2K 5% 1/4W	C3	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
R44	1-249-421-11	CARBON	2.2K 5% 1/4W	C5	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
R46	1-249-442-11	CARBON	510 5% 1/4W	C6	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
R47	1-249-403-11	CARBON	68 5% 1/4W F	C7	1-101-004-00	CERAMIC 0.01uF 50V	
R48	1-249-423-11	CARBON	3.3K 5% 1/4W F			(N355:EE/N355K:EA)	
R49	1-249-393-11	CARBON	10 5% 1/4W F	C8	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
R50	1-249-429-11	CARBON	10K 5% 1/4W	C9	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
R51	1-249-441-11	CARBON	100K 5% 1/4W	C10	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
R52	1-249-429-11	CARBON	10K 5% 1/4W	C11	1-216-295-91	CONDUCTOR, CHIP (2012) (N355:IT, G)	
R53	1-249-425-11	CARBON	4.7K 5% 1/4W F	C11	1-163-038-91	CERAMIC CHIP 0.1uF 50V	
R54	1-249-425-11	CARBON	4.7K 5% 1/4W F			(N355K:EA)	
		< VARIABLE RESISTOR >		C14	1-163-038-91	CERAMIC CHIP 0.1uF 50V	
RV41	1-238-600-11	RES, ADJ, CARBON 10K				(N355K:EA)	
RV42	1-238-601-11	RES, ADJ, CARBON 22K		C15	1-136-162-00	FILM 0.056uF 5% 50V	
		< TERMINAL >				(N355K:EA)	
TM1	1-537-238-21	TERMINAL BOARD (ANTENNA)		C16	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
		< VIBRATOR >		C17	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
X21	1-567-713-11	VIBRATOR, CRYSTAL (4.5MHz) (N355K:TH)				(N355K:EA)	
X21	1-760-549-11	VIBRATOR, CRYSTAL (4.5MHz)		C18	1-163-088-00	CERAMIC CHIP 5PF 0.25PF 50V	
		(EXCEPT N355K:TH)				(N355K:EA)	
X41	1-577-075-11	OSCILLATOR, CERAMIC (456KHz)		C19	1-163-249-11	CERAMIC CHIP 82PF 5% 50V	
X42	1-760-220-11	FILTER, CERAMIC (10.7MHz)				(N355:AEP, UK, EE)	
X43	1-527-981-00	FILTER, CERAMIC (450KHz)		C21	1-163-141-00	CERAMIC CHIP 0.001uF 5% 50V	
		*****		C22	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
				C23	1-163-235-11	CERAMIC CHIP 22PF 5% 50V	
				C24	1-163-239-11	CERAMIC CHIP 33PF 5% 50V	
				C26	1-126-967-11	ELECT 47uF 20% 16V	
				C28	1-126-967-11	ELECT 47uF 20% 16V	
				C29	1-162-306-11	CERAMIC 0.01uF 30% 16V	
				C30	1-124-925-11	ELECT 2.2uF 20% 100V	
				C31	1-163-031-11	CERAMIC CHIP 0.01uF 50V	
				C32	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
				C33	1-163-038-91	CERAMIC CHIP 0.1uF 25V	
				C34	1-163-091-00	CERAMIC CHIP 8PF 50V	
						(N355:IT, G/N355K:EA)	
				C34	1-163-229-11	CERAMIC CHIP 12PF 5% 50V	
						(N355:AEP, UK, EE)	
				C35	1-163-038-91	CERAMIC CHIP 0.1uF 25V	

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C36	1-163-141-00	CERAMIC CHIP 0.001uF 5%	50V			< CONNECTOR >	
C37	1-163-141-00	CERAMIC CHIP 0.001uF 5%	50V				
C38	1-162-211-31	CERAMIC CHIP 33PF 5%	50V (N355K:EA)	* CN1	1-568-834-11	SOCKET, CONNECTOR 15P	
C39	1-163-141-00	CERAMIC CHIP 0.001uF 5%	50V			< TRIMMER >	
C40	1-163-031-11	CERAMIC CHIP 0.01uF	50V	CV1	1-141-227-00	TRIMMER (N355K:EA)	
C41	1-163-031-11	CERAMIC CHIP 0.01uF	50V	CV2	1-141-227-00	TRIMMER (N355K:EA)	
C42	1-163-038-91	CERAMIC CHIP 0.1uF	25V			< DIODE >	
C43	1-163-038-91	CERAMIC CHIP 0.1uF	25V				
C44	1-163-031-11	CERAMIC CHIP 0.01uF	50V	D1	8-719-976-30	DIODE KV1560N (N355K:EA)	
C45	1-163-038-91	CERAMIC CHIP 0.1uF	25V	D21	8-719-976-99	DIODE DTZ5.1B	
C46	1-163-077-00	CERAMIC CHIP 0.1uF 10%	25V	D41	8-719-016-74	DIODE 1SS352	
C47	1-126-967-11	ELECT 47uF 20%	16V			< FRONTEND >	
C48	1-163-031-11	CERAMIC CHIP 0.01uF	50V	FE1	1-193-385-11	FRONT END (3 GANG) (N355:EE)	
C49	1-124-902-00	ELECT 0.47uF 20%	50V	FE1	1-233-532-11	ENCAPSULATED COMPONENT (N355K:EA)	
C50	1-124-903-11	ELECT 1.0uF 20%	50V	FE1	1-233-542-11	FRONT END (4 GANG) (N355:AEP, UK, IT, G)	
C51	1-124-903-11	ELECT 1.0uF 20%	50V	FE2	1-233-514-11	ENCAPSULATED COMPONENT (N355:AEP, UK, EE)	
C52	1-126-964-11	ELECT 10uF 20%	50V	FE2	1-239-260-11	ENCAPSULATED COMPONENT (N355:IT, G)	
C53	1-126-964-11	ELECT 10uF 20%	50V	FE2	1-239-262-11	ENCAPSULATED COMPONENT (N355K:EA)	
C54	1-126-157-11	ELECT 10uF 20%	16V			< IC >	
C55	1-126-157-11	ELECT 10uF 20%	16V	IC21	8-759-288-54	IC LC72130	
C56	1-126-157-11	ELECT 10uF 20%	16V	IC41	8-759-176-03	IC LA1835	
C57	1-163-017-00	CERAMIC CHIP 0.0047uF 5%	50V (N355)			< IFT >	
C58	1-163-017-00	CERAMIC CHIP 0.0047uF 5%	50V (N355)	IFT41	1-409-636-11	TRANSFORMER, IF (CERAMIC FILTER)	
C59	1-163-809-11	CERAMIC CHIP 0.047uF 10%	25V (N355:AEP, UK, IT, G)			< JUMPER RESISTOR >	
C59	1-163-989-11	CERAMIC CHIP 0.033uF 10%	25V (N355:EE/N355K:EA)	JR1	1-216-295-11	METAL CHIP 0 5% 1/10W (N355:IT, G)	
C60	1-163-809-11	CERAMIC CHIP 0.047uF 10%	25V (N355:AEP, UK, IT, G)	JR2	1-216-295-11	METAL CHIP 0 5% 1/10W (N355:AEP, UK, EE)	
C60	1-163-989-11	CERAMIC CHIP 0.033uF 10%	25V (N355:EE/N355K:EA)	JR3	1-216-295-11	METAL CHIP 0 5% 1/10W (N355:IT, G)	
C61	1-126-301-11	ELECT 1uF 20%	50V	JR6	1-216-295-11	METAL CHIP 0 5% 1/10W (N355:AEP, UK, IT, G)	
C62	1-163-141-00	CERAMIC CHIP 0.001uF 5%	50V	JR7	1-216-295-11	METAL CHIP 0 5% 1/10W (N355:IT, G)	
C63	1-163-017-00	CERAMIC CHIP 0.0047uF 5%	50V	JR8	1-216-295-11	METAL CHIP 0 5% 1/10W (N355:AEP, UK, EE)	
C64	1-126-967-11	ELECT 47uF 20%	16V	JR9	1-216-295-11	METAL CHIP 0 5% 1/10W (N355:AEP, UK, EE)	
C65	1-163-031-11	CERAMIC CHIP 0.01uF	50V	JR12	1-216-295-11	METAL CHIP 0 5% 1/10W (N355K:EA)	
C66	1-126-162-11	ELECT 3.3uF 20%	50V	JR13	1-216-295-11	METAL CHIP 0 5% 1/10W (N355K:EA)	
C67	1-126-933-11	ELECT 100uF 20%	10V	JR45	1-216-295-11	METAL CHIP 0 5% 1/10W	
C68	1-162-306-11	CERAMIC 0.01uF 30%	16V	JR46	1-216-296-11	METAL CHIP 0 5% 1/8W	
C71	1-162-306-11	CERAMIC 0.01uF 30%	16V	JR47	1-216-295-11	METAL CHIP 0 5% 1/10W	
C72	1-126-967-11	ELECT 47uF 20%	16V	JR48	1-216-295-11	METAL CHIP 0 5% 1/10W	
C120	1-163-105-00	CERAMIC CHIP 33PF 5%	50V (N355:AEP, UK, IT, G)	JR49	1-216-296-11	METAL CHIP 0 5% 1/8W	
		< FILTER >		JR50	1-216-295-11	METAL CHIP 0 5% 1/10W (N355K:EA)	
CF1	1-567-389-11	FILTER, CERAMIC (N355:EE/N355K:EA)		JR51	1-216-295-11	METAL CHIP 0 5% 1/10W	
CF1	1-579-374-71	FILTER, CERAMIC (N355:AEP, UK, IT, G)		JR52	1-216-295-11	METAL CHIP 0 5% 1/10W	
CF2	1-760-393-11	FILTER, CERAMIC (N355:AEP, UK, IT, G)					
CF3	1-567-389-11	FILTER, CERAMIC (N355:EE/N355K:EA)					
CF3	1-760-393-11	FILTER, CERAMIC (N355:AEP, UK, IT, G)					



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
JR53	1-216-296-11	METAL CHIP	0 5% 1/8W	R12	1-216-037-00	METAL CHIP	330 5% 1/10W
JR54	1-216-295-11	METAL CHIP	0 5% 1/10W	R13	1-216-037-00	METAL CHIP	330 5% 1/10W
< JUMPER RESISTOR >				R14	1-216-081-00	METAL CHIP	22K 5% 1/10W
JW4	1-249-413-11	CARBON	470 5% 1/4W (N355:AEP, UK, IT, G)	R18	1-216-065-00	METAL CHIP	4.7K 5% 1/10W (N355K:EA)
JW5	1-249-413-11	CARBON	470 5% 1/4W (N355:AEP, UK, IT, G)	R18	1-216-073-00	METAL CHIP	10K 5% 1/10W (N355:AEP, UK, EE)
< COIL >				R19	1-216-073-00	METAL CHIP	10K 5% 1/10W (N355:AEP, UK, EE/N355K:EA)
L1	1-410-521-11	MICRO INDUCTOR 100uH	(N355K:EA)	R20	1-216-121-91	METAL CHIP	1M 5% 1/10W (N355K:EA)
L2	1-414-142-11	MICRO INDUCTOR 1uH	(N355:AEP, UK, IT, G)	R21	1-216-049-11	METAL CHIP	1.0K 5% 1/10W
L3	1-410-521-11	MICRO INDUCTOR 100uH		R22	1-216-049-11	METAL CHIP	1.0K 5% 1/10W
L4	1-410-515-11	INDUCTOR 33uH	(N355:AEP, UK, IT, G)	R23	1-216-049-11	METAL CHIP	1.0K 5% 1/10W
L41	1-407-500-00	MICRO INDUCTOR 4.7mH	(N355:AEP, UK, EE)	R24	1-216-025-11	METAL CHIP	100 5% 1/10W
L41	1-410-119-11	MICRO INDUCTOR (EL TYPE) 1mH	(N355:IT, G/N355K:EA)	R25	1-249-417-11	CARBON	1K 5% 1/4W F
< FILTER >				R26	1-249-437-11	CARBON	47K 5% 1/4W
LPF41	1-239-845-11	FILTER, LOW PASS	(N355)	R27	1-249-429-11	CARBON	10K 5% 1/4W
LPF42	1-239-845-11	FILTER, LOW PASS	(N355)	R28	1-249-417-11	CARBON	1K 5% 1/4W F
< TRANSISTOR >				R29	1-216-061-00	METAL CHIP	3.3K 5% 1/10W
Q1	8-729-201-27	TRANSISTOR	2SC2715-Y	R30	1-216-186-00	METAL CHIP	330 5% 1/8W
Q2	8-729-201-27	TRANSISTOR	2SC2715-Y	R31	1-216-025-11	METAL CHIP	100 5% 1/10W
Q3	8-729-201-27	TRANSISTOR	2SC2715-Y	R32	1-249-425-11	CARBON	4.7K 5% 1/4W F
Q4	8-729-201-27	TRANSISTOR	2SC2715-Y	R33	1-249-425-11	CARBON	4.7K 5% 1/4W F
Q5	8-729-424-08	TRANSISTOR	UN2111	R34	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
Q8	8-729-033-67	TRANSISTOR	2SK211-Y-TE85L(N355K:EA)	R35	1-216-214-00	METAL CHIP	4.7K 5% 1/8W
Q9	8-729-216-22	TRANSISTOR	2SA812-M5M6 (N355:AEP, UK, EE/N355K:EA)	R36	1-216-025-11	METAL CHIP	100 5% 1/10W
Q10	8-729-216-22	TRANSISTOR	2SA812-M5M6 (N355K:EA)	R37	1-216-073-00	METAL CHIP	10K 5% 1/10W
Q11	8-729-421-22	TRANSISTOR	UN2211 (N355:AEP, UK, EE)	R38	1-216-089-11	METAL CHIP	47K 5% 1/10W
Q12	8-729-421-22	TRANSISTOR	UN2211 (N355:AEP, UK, EE/N355K:EA)	R39	1-249-429-11	CARBON	10K 5% 1/4W
Q13	8-729-421-22	TRANSISTOR	UN2211 (N355:AEP, UK, EE/N355K:EA)	R42	1-216-073-00	METAL CHIP	10K 5% 1/10W
Q14	8-729-421-22	TRANSISTOR	UN2211 (N355:AEP, UK, EE/N355K:EA)	R43	1-216-042-00	METAL CHIP	510 5% 1/10W
< RESISTOR >				R44	1-216-021-00	METAL CHIP	68 5% 1/10W
R1	1-249-401-11	CARBON	47 5% 1/4W F	R45	1-249-423-11	CARBON	3.3K 5% 1/4W F
R2	1-216-037-00	METAL CHIP	330 5% 1/10W	R46	1-216-073-00	METAL CHIP	10K 5% 1/10W
R3	1-216-037-00	METAL CHIP	330 5% 1/10W	R47	1-216-097-11	METAL CHIP	100K 5% 1/10W
R5	1-216-037-00	METAL CHIP	330 5% 1/10W	R48	1-249-417-11	CARBON	1K 5% 1/4W F (N355)
R6	1-216-081-00	METAL CHIP	22K 5% 1/10W	R48	1-249-423-11	CARBON	3.3K 5% 1/4W (N355K:EA)
R7	1-216-037-00	METAL CHIP	330 5% 1/10W	R49	1-216-049-11	METAL CHIP	1.0K 5% 1/10W (N355)
R8	1-216-037-00	METAL CHIP	330 5% 1/10W	R49	1-216-061-00	METAL CHIP	3.3K 5% 1/10W (N355K:EA)
R9	1-216-081-00	METAL CHIP	22K 5% 1/10W	R50	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R10	1-216-037-00	METAL CHIP	330 5% 1/10W	R51	1-216-065-00	METAL CHIP	4.7K 5% 1/10W
R11	1-216-081-00	METAL CHIP	22K 5% 1/10W	R53	1-249-429-11	CARBON	10K 5% 1/4W
				R54	1-249-399-11	CARBON	33 5% 1/4W (N355K:EA)
				R55	1-216-162-00	METAL CHIP	33 5% 1/8W
				R56	1-249-393-11	CARBON	10 5% 1/4W F
				R91	1-216-065-00	METAL CHIP	4.7K 5% 1/10W (N355K:EA)
				R91	1-216-295-11	METAL CHIP	0 5% 1/10W (N355:AEP, UK, EE)
				R92	1-216-073-00	METAL CHIP	10K 5% 1/10W (N355:AEP, UK, EE/N355K:EA)
				R93	1-216-073-00	METAL CHIP	10K 5% 1/10W (N355K:EA)
				R94	1-216-073-00	METAL CHIP	10K 5% 1/10W (N355K:EA)

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >					
RV41	1-238-601-11	RES, ADJ, CARBON 22K		△R1602	1-219-120-11	FUSIBLE 0.15 5% 1/4W F	
RV42	1-238-600-11	RES, ADJ, CARBON 10K		△R1603	1-219-120-81	FUSIBLE 0.15 5% 1/4W F	
		< COIL >				< TRANSFORMER >	
T1	1-409-505-11	COIL (ANT, SW3) (N355K:EA)		△T1601	1-429-335-11	TRANSFORMER, POWER (N355:AEP, UK, G, IT, EE)	
T2	1-402-960-11	COIL (OSC, SW3) (N355K:EA)		△T1601	1-429-336-11	TRANSFORMER, POWER (N355:E, MX, AR, AUS, PX/N355K)	
		< TERMINAL >		△T1601	1-429-337-11	TRANSFORMER, POWER (D570)	
TM1	1-537-238-21	TERMINAL BOARD (ANTENNA) (N355K:EA)				< SWITCH >	
TM1	1-537-488-11	TERMINAL BOARD (ANT) (ANTENNA) (N355)		△VS1601	1-572-675-11	SWITCH, POWER VOLTAGE CHANGE (N355:E, AR, PX/N355K:E, EA, SP, IA)	
		< VIBRATOR >				*****	
X21	1-760-549-11	VIBRATOR, CRYSTAL (4.5MHz)				MISCELLANEOUS	
X41	1-760-220-11	FILTER, CERAMIC (10.7MHz)				*****	
X42	1-527-981-00	FILTER, CERAMIC (450KHz)					
X43	1-577-075-11	OSCILLATOR, CERAMIC (456KHz)					
		*****					
*	1-659-218-11	TRANS BOARD					
		*****					
		< FUSE HOLDER >					
FH1601	1-533-217-31	HOLDER, FUSE					
FH1602	1-533-217-31	HOLDER, FUSE					
FH1603	1-533-217-31	HOLDER, FUSE					
FH1604	1-533-217-31	HOLDER, FUSE					
		< CAPACITOR >					
C1600	1-164-159-21	CERAMIC 0.1uF	50V				
C1601	1-164-159-21	CERAMIC 0.1uF	50V				
		< CONNECTOR >					
CN1601	1-535-139-00	BASE POST 14MM (10MM PITCH) 2P (N355:E, MX, AR, AUS, PX/N355K:E, EA, TH, IA)					
CN1601	1-774-108-11	PIN, CONNECTOR (PC BOARD) (D570/N355:AEP, UK, G, IT, EE/N355K:MY, SP)					
CN1604	1-564-524-11	PLUG, CONNECTOR 9P					
		< FUSE >					
△F1603	1-532-350-00	FUSE, TIME LAG (T4A/250V) (N355:E, MX, AR, PX/N355K:E, EA, SP, IA)					
△F1603	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (5A/125V) (D570)					
△F1604	1-532-259-00	FUSE, TIME LAG (T1.6A/250V) (N355:AEP, UK, G, IT, EE, E, AR, AUS, PX/N355K)					
		< RESISTOR >					
△R1600	1-202-725-00	SOLID 3.3M 10% 1/2W (D570)					
△R1601	1-219-139-11	FUSIBLE 0.68 5% 1/4W F					

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
M1	X-3371-223-1	MOTOR ASSY (CAPSTAN)	
M2	A-2004-410-A	MOTOR ASSY (TRIGGER)	
M101	X-4917-523-4	MOTOR ASSY (SPINDLE)	
M102	X-4917-504-1	MOTOR ASSY (SLED)	
M901	1-698-659-11	FAN, DC (D570)	
S101	1-572-085-11	SWITCH, LEAF (LIMIT)	
△T1601	1-429-335-11	TRANSFORMER, POWER (N355:AEP, UK, G, IT, EE)	
△T1601	1-429-336-11	TRANSFORMER, POWER (N355:E, MX, AR, AUS, PX/N355K)	

△T1601 1-429-337-11 TRANSFORMER, POWER (D570)

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#### ACCESSORIES & PACKING MATERIALS

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1-501-374-11 ANTENNA, LOOP (N355:AEP, UK, G, IT, EE)  
 1-501-804-11 ANTENNA (FM) (N355:AEP, UK, IT, EE)  
 3-810-802-11 MANUAL, INSTRUCTION (ENGLISH) (N355:UK)  
 3-810-802-21 MANUAL, INSTRUCTION  
 (ENGLISH, FRENCH, SPANISH, PORTUGUESE) (N355:AEP)

3-810-802-31 MANUAL, INSTRUCTION  
 (GERMAN, DUTCH, SWEDISH, ITALIAN) (N355:AEP, IT)

3-810-802-41 MANUAL, INSTRUCTION  
 (DANISH, FINNISH) (N355:AEP)

3-810-802-51 MANUAL, INSTRUCTION (GERMAN) (N355:G)

3-810-802-61 MANUAL, INSTRUCTION  
 (ENGLISH, POLISH, RUSSIAN) (N355:EE)

\* 4-979-300-01 INDIVIDUAL CARTON (N355:AEP, UK, G, IT, EE)

4-979-371-01 COVER, BATTERY (for RM-SD50)

\* 4-979-431-01 CUSHION (BOTTOM)

\* 4-980-140-01 CUSHION (UPPER)

8-917-537-90 REMOCON RM-SD50//M SET

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#### HARDWARE LIST

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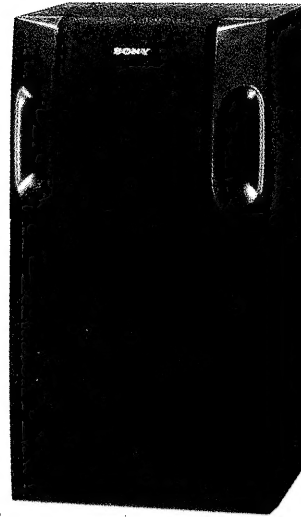
#1 7-685-646-79 SCREW +BVIP 3X8 TYPE2 N-S  
 #3 7-685-871-01 SCREW +BVIT 3X6 (S)  
 #4 7-685-650-79 SCREW +BVIP 3X16 TYPE2 IT-3  
 #5 7-621-770-67 SCREW +BVIT 2.6X6 (S)  
 #6 7-685-131-19 SCREW +BTP 2.6X4 TYPE2 N-S  
 #7 7-685-534-19 SCREW +BTP 2.6X8 TYPE2 N-S  
 #8 7-621-775-10 SCREW +B 2.6X4  
 #9 7-685-533-19 SCREW +BTP 2.6X6 TYPE2 N-S  
 #10 7-623-921-01 RING, RETAINING, CAPSTAN  
 #11 7-621-775-00 SCREW +B 2.6X3  
 #12 7-621-255-15 SCREW +P 2X3

The components identified by mark  
 △ or dotted line with mark △ are  
 critical for safety.  
 Replace only with part number  
 specified.

Les composants identifiés par une  
 marque △ sont critiques pour la  
 sécurité.  
 Ne les remplacer que par une pièce  
 portant le numéro spécifié.

# SS-D2700/LB355

## SERVICE MANUAL



*US Model*  
*Canadian Model*  
SS-D2700

*E Model*  
*Australian Model*  
*PX Model*  
SS-LB355

*Mexican Model*  
SS-D2700/LB355

SS-D2700 is the speaker system in LBT-D270 and LBT-D570.  
SS-LB355 is the speaker system in LBT-N355 and LBT-N355K. **Photo : SS-D2700**

### SPECIFICATIONS

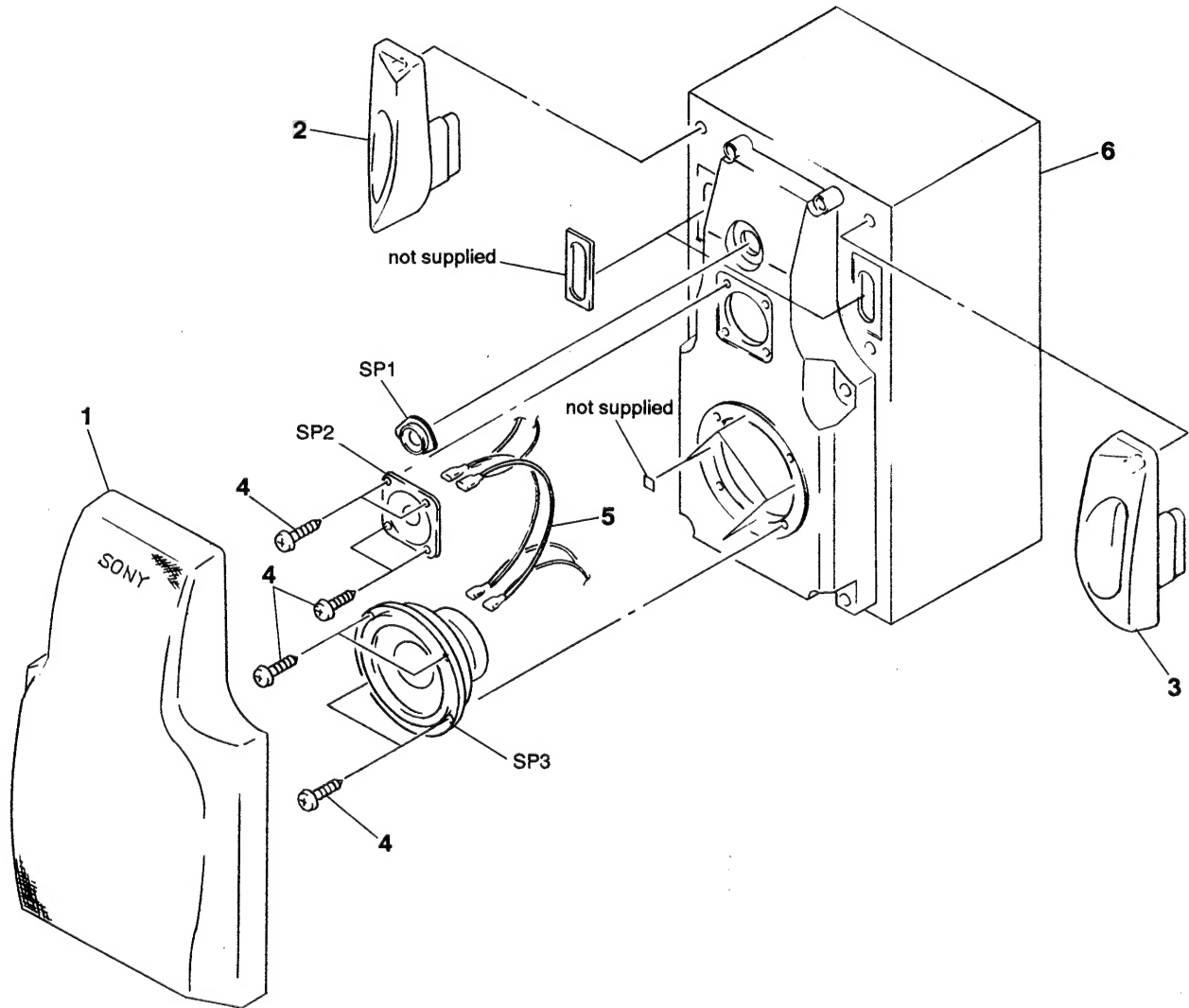
Speaker system	3-way speaker system
Speaker units	Woofer: 17 cm dia., cone type Tweeter: 6 cm dia., cone type Super tweeter: 2 cm dia., dome type
Nominal impedance	8 ohms
Dimensions	Approx. 260 × 480 × 270 × mm (10 <sup>1</sup> / <sub>4</sub> × 19 × 10 <sup>3</sup> / <sub>4</sub> inches) (w/h/d)
Mass	Approx. 5.5 kg (12 lb 2 oz)

SPEAKER SYSTEM  
**SONY®**

EXPLODED VIEW

NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked “ \* ” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.



Ref. No.	Part No.	Description
1	X-4946-655-1	FRAME ASSY, GRILLE
2	4-979-405-01	DUCT (L), ORNAMENTAL
3	4-979-406-01	DUCT (R), ORNAMENTAL
4	4-874-614-61	SCREW (M3, 5X16)
5	1-775-332-11	LEAD (WITH CONNECTOR)
* 6	A-4361-880-A	CABINET ASSY, SPEAKER
SP1	1-504-639-11	SPEAKER (2CM) (SUPER TWEETER)
SP2	1-504-872-11	SPEAKER (6CM) (TWEETER)
SP3	1-505-213-11	SPEAKER (17CM) (WOOFER)

Remark	Ref. No.	Part No.	Description	Remark
			ACCESSORIES & PACKING MATERIALS	
			*****	
	*	4-979-452-01	CUSHION	